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# NF VALIDATION - Validation of alternative analysis methods
# Application to the food industry

## Summary report according to the EN ISO 16140-2/A1: 2024 standard

Qualitative method

## VIDAS® *Listeria* Duo
## for the detection of *Listeria* spp and *Listeria monocytogenes* in human food products and in environmental samples
## Certificate # BIO 12/18-03/06


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This report contains 135 pages, including 90 pages of appendices.

The accreditation of the COFRAC (Section Laboratory) gives evidence of the expertise of the laboratory for the only tests covered by the accreditation that are specified by the symbol (■).

Version 0

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# Preamble

- **Protocols of validation :**

- **EN ISO 16140-1 and NF EN ISO 16140-2/A1 (2024): Microbiology of the food chain — Method validation**
  Part 1: Vocabulary.
  Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method.

- **Requirements regarding comparison and interlaboratory studies for implementation of the standard EN ISO 16140-2 (version 12).**

- **Reference method:**

- **EN ISO 11290-1 (July 2017):** Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp - Part 1: Detection method.

- **Application scope:**

- **All human food products** by a validation testing of a broad range of foods, including:
  - meat products,
  - dairy products,
  - seafood products,
  - vegetal products,
  - composite foods,
  - dairy products (excluding raw milk) in 125g,
  - powder infant formula and cereals in 125g.
- **Environmental samples.**

- **Certification body:**

- **AFNOR Certification** (https://nf-validation.afnor.org/).

# Definitions

- **Method comparison study**

The method comparison study is the part of the validation process that is performed in the organizing laboratory. It consists of three parts namely the following :
- A comparative study of the results of the reference method to the results of the alternative method in (naturally and/or artificially) contaminated samples (so-called sensitivity study);
- A comparative study to determine the relative level of detection (RLOD) in artificially contaminated samples (so-called RLOD study);
- An inclusivity/exclusivity study of the alternative method.

- **Sensitivity study**

The sensitivity study aims to determine the difference in sensitivity between the reference and the alternative method.
The sensitivity is the ability of the reference method or alternative method to detect the analyte.

- **Relative level of detection study**

A comparative study is conducted to evaluate the level of detection (LOD) of the alternative method against the reference method. The evaluation is based on the calculation of the relative level of detection (RLOD).
The level of detection at 50% ($LOD_{50}$) is the measured analyte concentration, obtained by a given measurement procedure, for which the probability of detection is 50%.
The relative level of detection level of detection at P = 0,50 ($LOD_{50}$) of the alternative method divided by the level of detection at P = 0,50 ($LOD_{50}$) of the reference method.

- **Inclusivity and exclusivity study**

The inclusivity study is a study involving pure target strains to be detected or enumerated by the alternative method.
The exclusivity study is a study involving pure non-target strains, which can be potentially cross-reactive, but are not expected to be detected or enumerated by the alternative method.

- **Interlaboratory study**

The interlaboratory study is a study performed by multiple laboratories testing identical samples at the same time, the results of which are used to estimate alternative-method performance parameters.
The aim of the interlaboratory study is to determine the difference in sensitivity between the reference and the alternative method when tested by different collaborators using identical samples (reproducibility conditions).

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## Appendices:

# 1. Introduction

The VIDAS® *Listeria* Duo method (VIDAS LDUO) is validated by AFNOR Certification under the mark NF VALIDATION with the certification number BIO 12/18–03/06 according to the ISO 16140-2:2016 standard. The method is intended for all human food products and environmental samples (except primary production samples) since its initial validation.

Table 1 summarizes the different steps of the validation that occurred since the initial validation.

*Table 1: steps of the validation AFNOR certification*

| Study | Date | Standard | Expert Laboratory | Observation |
|---|---|---|---|---|
| Initial validation | March 2006 | ISO 16140:2003 | SERMHA IPL Nord | / |
| First renewal | December 2009 | ISO 16140:2003 | Eurofins IPL Nord | No additional tests |
| Second renewal | January 2014 | ISO 16140/A1:2011 | Institut Scientifique d'Hygiène et d'Analyse | No additional tests |
| Third renewal | March 2018 | ISO 11290-1:2017<br>ISO 16140-2:2016 | Microsept | Additional tests to fulfill the requirements of the validation standard |
| Fourth renewal study and extension study | December 2021 | ISO 11290-1:2017<br>ISO 16140-2:2016 | Microsept | Addition of 2 news protocols in 125 g for dairy products and infant formula & cereals |
| Fifth renewal | January 2026 | ISO 11290-1:2017<br>ISO 16140-2/A1 (2024) | Microsept | No additional tests |

This document is a summary report of the AFNOR Certification Validation of the VIDAS® *Listeria* DUO (LDUO) method according to the standard EN ISO 16140-2/A1 (2024).

A part of the results set out in this report were produced during the initial validation tests carried out by SERMHA IPL Nord as part of NF Validation, in accordance with prevailing requirements.
The remaining part of the results is constituted by the analyses performed by the Laboratory Microsept as part of the requirements of the updated validation standard.

Two new protocols have been added for which sensitivity study tests and RLOD study tests have been performed with LX pre-warmed enrichment broth and concern two categories:

- Dairy products excluding raw milk (125 g)
- Powder Infant Formula and cereals (125 g)

# 2. Protocols of the methods

## 2.1. Alternative method

### 2.1.1. Principle of the method

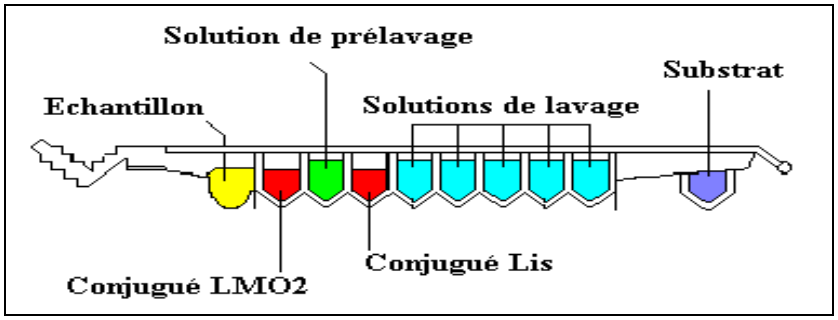
VIDAS *Listeria* Duo is an immuno-enzyme test enabling the detection of the *Listeria monocytogenes* and *Listeria* antigens using the ELFA (Enzyme Linked Fluorescent Assay) method with the VIDAS automated system.

Each test is broken down into two components:

- The single-use SPR used both for the solid phase and as a pipetting system for the test. The inside of the SPR is coated with anti-*Listeria monocytogenes* antibodies and anti-*Listeria* antibodies adsorbed on its surface.

- The strip (see Figure 1 below) which contains all of the ready-to-use reagents required for the test: washing solution, anti-*Listeria monocytogenes* antibodies and anti-*Listeria* antibodies conjugated with alkaline phosphatase and substrate.

*Figure 1: Components of a VIDAS strip*




All steps are performed automatically by the VIDAS analytical module. An aliquot of enrichment broth is placed in the strip and undergoes a suction/discharge cycle whose duration is specifically calculated to activate the reaction.

Thus, the system performs two revelation stages and two readings:

- the first reading provides a response for *Listeria monocytogenes* (DLMO),
- the second reading provides a response for *Listeria spp* (DLIS).

The fluorescence intensity is measured by the VIDAS optical system at 450 nm and expressed as a relative fluorescence value (RFV), interpreted by the VIDAS system as follows.
The test values calculated using the following formula are subsequently compared to the threshold values defined for *Listeria monocytogenes* and for *Listeria* spp.

| |
|---|
| Test value (TV) = sample RFV / standard RFV.<br><br>**Response for *Listeria monocytogenes* (DLMO)**<br>If TV < 0.05, ⇨ the test is negative and<br>If TV ≥ 0.05, ⇨ the test is positive<br><br>**Response for *Listeria* (DLIS)**<br>If TV < 0.1, ⇨ the test is negative and<br>If TV ≥ 0.1, ⇨ the test is positive |

However, it should be noted that if the test is positive for *Listeria monocytogenes*, the system does not provide a test value for *Listeria* spp, but instead provides a positive response by default.
The different types of response are set out in the Table below:

| Case | DLMO | DLMO test value | DLIS | DLIS test value | Response (subject to confirmation) |
|---|---|---|---|---|---|
| Case 1 | + | Available | + by default | Not available | Presence of *Listeria monocytogenes* and by default, presence of *Listeria* spp |
| Case 2 | - | Available | + | Available | Absence of *Listeria monocytogenes* & Presence of *Listeria* spp other than *Listeria monocytogenes* |
| Case 3 | - | Available | - | Available | Absence of *Listeria* spp, including Absence of *Listeria monocytogenes* |

### 2.1.2. Protocols of the method

Protocols are as follows:

- **General protocol**
- enrichment in LX broth, incubated for 22 to 26 hours at 30°C ± 1°C,
- subculture in LX broth (0.1 mL in 6 mL), incubated for 22 to 26 hours at 30°C ± 1°C

The workflow of the method is set out in Appendix A.

The VIDAS LDUO test is then performed using an aliquot of LX heated for 5 minutes ± 1 minute at 95-100°C. Two responses are provided: presence or absence of *Listeria monocytogenes* (DLMO) and presence or absence of *Listeria* spp (DLIS).

The samples found to be positive using the VIDAS LDUO test are confirmed by isolating the tube of unheated LX broth on selective agar enabling the development of all *Listeria* species (Palcam, Oxford or chromogenic agar).
The characteristic colonies of *Listeria* spp are subsequently confirmed using conventional biochemical tests.

In addition,

- in the event of a positive response for *Listeria monocytogenes*, a second confirmation option is offered: in the event that characteristic colonies are present on chromogenic agar, the VIDAS DLMO result for *Listeria monocytogenes* is considered as confirmed,
- in the event of a positive response for *Listeria* spp other than *Listeria monocytogenes*, the colonies characteristics of *Listeria* are confirmed using conventional biochemical tests or using an API test strip without prior purification if the colony is sufficiently isolated.

- **Extension protocols**

The following protocols have been added to the method:

- Dairy products excluding raw milk: **125 g** diluted at 1/10 in pre-warmed LX broth, incubation at 30±1°C for 22 – 26 h and subculture in LX broth (0,1 mL in 6 mL) incubated at 30±1°C for 22 – 26 h.
- Powder Infant Formula and cereals: **125 g** diluted at 1/10 in pre-warmed LX broth, incubation at 30±1°C for 26 – 30 h and subculture in LX broth (0,1 mL in 6 mL) incubated at 30±1°C for 22 – 26 h.

The VIDAS LDUO test is then performed using an aliquot of LX broth heated for 5 minutes ± 1 minute at 95-100°C with a Heat & Go or a water bath. For the tests that were carried out during this extension, only the Heat & Go was used.

The samples found to be positive using the VIDAS LDUO test are confirmed by isolating the tube of unheated LX broth on selective agar enabling the development of all *Listeria* species (Palcam, Oxford or chromogenic agar).
The colonies characteristics of *Listeria* spp are subsequently confirmed using conventional biochemical tests.

In addition,

- in the event of a positive response for *Listeria monocytogenes*, a second confirmation option is offered: in the event that characteristic colonies are present on chromogenic agar, the VIDAS DLMO result for *Listeria monocytogenes* is considered as confirmed,
- in the event of a positive response for *Listeria* spp. other than *Listeria monocytogenes*, the colonies characteristics of *Listeria* are confirmed using conventional biochemical tests or using an API test strip without prior purification if the colony is sufficiently isolated.

The enrichment broth can be stored for 72 hours at +2°C to +8°C before the VIDAS® test is performed.

The workflow of the method is set out in Appendix A.

### 2.1.3. Restrictions

There are no restrictions on use for the method VIDAS *Listeria* Duo.

## 2.2. Reference method

The standard EN ISO 11290-1/A1:2005 was used for the initial validation study and for the two following renewal studies.

This standard was revised in 2017. The main changes introduced in the ISO 11290-1:2017 are considered as major. The technical changes were assessed and were considered to have no significant effect on the method performance characteristics or test results.
That's why the method described in the new standard EN ISO 11290-1:2017 "Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp – Part 1: detection method" was used as reference method for the supplementary tests performed by the Laboratory Microsept.

The workflow of the reference method is presented in Appendix B.

## 2.3. Application scope

The scope of the method concerns a broad range of foods and environmental samples including the categories presented in Table 2.

*Table 2: categories tested during the VIDAS LDUO Validation study*

| Categories | Protocol | Study design |
|---|---|---|
| ❶ **Meat products (25g)** | **General protocol:**<br>LX broth – 22-26h – 30±1°C<br>LX broth (1 mL in 6 mL) – 22-26h – 30±1°C | Unpaired study |
| ❷ **Dairy products (25g)** | | |
| ❸ **Seafood products (25g)** | | |
| ❹ **Vegetal products (25g)** | | |
| ❺ **Composite food (25g)** | | |
| ❻ **Environmental samples** | | |
| ❼ **Dairy products excluding raw milk (125g)** | **Specific protocol:**<br>Pre-warmed LX broth – 22-26h – 30±1°C<br>LX broth (0,1 mL in 6 mL) – 22-26h – 30±1°C | Unpaired study |
| ❽ **Powder Infant Formula and cereals (125g)** | **Specific protocol:**<br>Pre-warmed LX broth – 26-30h – 30±1°C<br>LX broth (0,1 mL in 6 mL) – 22-26h – 30±1°C | Unpaired study |

## 2.4. Study design

As there is no shared enrichment step for both the alternative and the reference methods, different test portions coming from the same batch or lot of products have to be used for the two methods. The study thus provides unpaired data and the word "unpaired study" is used to describe the study design.

# 3. Methods comparison study

## 3.1. Sensitivity study

The purpose of this study is to compare the two methods – the reference method ISO 11290-1 and the VIDAS LDUO method – on samples contaminated or not contaminated with *Listeria monocytogenes* and *Listeria* spp other than *L. monocytogenes*.

### 3.1.1. Protocols applied during the studies

- Incubation time: the minimum incubation times were tested, namely 22 hours for the enrichment in LX broth for categories ❶,❷,❸,❹,❺,❻,❼ and 26 hours for category ❽. The incubation time for the subculture in LX broth it is 22 hours for all categories.
- Confirmation: presumptive positive results were confirmed by streaking 10 µl of the second enriched LX broth on an Ottaviani & Agosti (ALOA) and on a PALCAM plate. Typical colonies were confirmed by the realization of a biochemical gallery without purification and by the implementation of the tests described in the reference method after purification.
- The tubes of LX broth were kept for 72 hours at 2°C - 8°C and then tested again using VIDAS and confirmed if the VIDAS LDUO test was positive, in order to document the impact of storing the broths for up to 72 hours at 2°C - 8°C.

### 3.1.2. Artificial contamination

Artificial contamination was carried out using stressed strains in accordance with the requirements of the validation standard and the AFNOR Validation Technical Bureau (see Appendix C).
Table 3 gives the distribution of the positive samples per type and level of contamination.

*Table 3: distribution of the positive samples per contamination type and level (LIS: parameter "Listeria spp", LMO: parameter "Listeria monocytogenes", cl: contamination level)*

| Positive samples | | Naturally contaminated samples | Artificially contaminated samples | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | | | Spiking | | | Seeding | | | |
| | | | cl ≤ 5 | 5 < cl ≤ 10 | 10 < cl ≤ 30 | cl ≤ 3 | 3 < cl ≤ 10 | cl > 10 | |
| LIS | # | 179 | 87 | 38 | 6 | 63 | 3 | 0 | 376 |
| | **%** | **47.7%** | **23.1%** | **10.1%** | **1.6%** | **16.7%** | **0.8%** | **0%** | **100%** |
| LMO | # | 157 | 42 | 18 | 5 | 60 | 3 | 0 | 285 |
| | **%** | **55.1%** | **14.8%** | **6.3%** | **1.7%** | **21.1%** | **1.0%** | **0%** | **100%** |

For the parameter "*Listeria monocytogenes*", 285 samples gave a positive result by at least one of the method and 55.1% of them were naturally contaminated.
For the parameter "*Listeria* spp", 376 samples gave a positive result by at least one of the method and 47.7% of them were naturally contaminated. The percentage obtained is a little lower than that required by AFNOR rules due to the addition of a category of infant milk powders in particular.

### 3.1.3. Detection of *Listeria* spp

#### 3.1.3.1. Number and nature of the samples

The sensitivity study for all categories concerned 694 samples: 438 analyzed during the initial validation study, 92 analyzed during this third renewal study and 164 analyzed during the extension.

*Table 4: Distribution of the samples per category and type*

| Category | Types | | Positive results | | | | Negative results | Total |
|---|---|---|---|---|---|---|---|---|
| | | | LMO | LIS | LMO + LIS | All | | |
| **Meat products** | a | Raw meat products | 7 | 11 | 10 | 28 | 10 | 38 |
| | b | RTRH products and meat-based products | 7 | 1 | 4 | 12 | 10 | 22 |
| | c | Delicatessen | 7 | 8 | 16 | 31 | 15 | 46 |
| | **Total** | | **21** | **20** | **30** | **71** | **35** | **106** |
| **Dairy products** | a | Cow raw milk cheese | 12 | 6 | 2 | 20 | 15 | 35 |
| | b | Goat or ewe raw milk cheese | 4 | 1 | 5 | 10 | 11 | 21 |
| | c | Other milk products | 6 | 7 | 3 | 16 | 15 | 31 |
| | **Total** | | **22** | **14** | **10** | **46** | **41** | **87** |
| **Seafood products** | a | Raw products | 9 | 11 | 3 | 23 | 18 | 41 |
| | b | Smoked, marinated products | 16 | 2 | 0 | 18 | 10 | 28 |
| | c | Ready-to-eat and ready-to-reheat products | 10 | 1 | 0 | 11 | 10 | 21 |
| | **Total** | | **35** | **14** | **3** | **52** | **38** | **90** |
| **Vegetal products** | a | Raw vegetal products | 8 | 4 | 0 | 12 | 22 | 34 |
| | b | Pre-cut fruits and vegetables | 8 | 2 | 6 | 16 | 10 | 26 |
| | c | Plant product based food | 8 | 8 | 3 | 19 | 10 | 29 |
| | **Total** | | **24** | **14** | **9** | **47** | **42** | **89** |
| **Composite foods** | a | Ready-to-eat products | 7 | 3 | 2 | 12 | 10 | 22 |
| | b | Ready-to-reheat products | 9 | 4 | 2 | 15 | 10 | 25 |
| | c | Pastries and derivated, egg products | 3 | 9 | 2 | 14 | 10 | 24 |
| | **Total** | | **19** | **16** | **6** | **41** | **30** | **71** |
| **Environmental samples** | a | Process and cleaning waters | 5 | 3 | 2 | 10 | 17 | 27 |
| | b | Surface samples | 8 | 8 | 4 | 20 | 18 | 38 |
| | c | Residues | 10 | 1 | 1 | 12 | 10 | 22 |
| | **Total** | | **23** | **12** | **7** | **42** | **45** | **87** |
| **Dairy products excluding raw milk (125g)** | a | Raw milk cheese | 8 | 6 | 0 | 14 | 16 | 30 |
| | b | Pasteurized cheese | 6 | 4 | 2 | 12 | 13 | 25 |
| | c | Milk powder | 6 | 4 | 1 | 11 | 14 | 25 |
| | **Total** | | **20** | **14** | **3** | **37** | **43** | **80** |
| **Powder Infant Formula and cereals (125g)** | a | Infant formula without probiotic | 3 | 2 | 5 | 10 | 11 | 21 |
| | b | Infant formula with probiotic | 9 | 5 | 0 | 14 | 19 | 33 |
| | c | Infant cereal with and w/o probiotic | 13 | 3 | 0 | 16 | 14 | 30 |
| | **Total** | | **25** | **10** | **5** | **40** | **44** | **84** |
| **Total** | | | **189** | **114** | **73** | **376** | **318** | **694** |

For the parameter "*Listeria* spp", the proportions of *Listeria* spp (only or mixed with *L. monocytogenes*) and of *L. monocytogenes* among the positive samples for all categories are presented below:

*Table 5: proportions of Listeria spp and of Listeria monocytogenes among the positive samples*

| Category | *Listeria* spp only (A) | | *Listeria* spp + *L. monocy-togenes* (B) | | Total A+B | | *L. monocy-togenes* only | | Total positive samples |
|---|---|---|---|---|---|---|---|---|---|
| | # | % | # | % | # | % | # | % | |
| Meat products | 20 | 28,2% | 30 | 42,3% | 50 | 70,4% | 21 | 29,6% | 71 |
| Dairy products | 14 | 30,4% | 10 | 21,7% | 24 | 52,2% | 22 | 47,8% | 46 |
| Seafood products | 14 | 26,9% | 3 | 5,8% | 17 | 32,7% | 35 | 67,3% | 52 |
| Vegetal products | 14 | 29,8% | 9 | 19,1% | 23 | 48,9% | 24 | 51,1% | 47 |
| Composite foods | 16 | 39,0% | 6 | 14,6% | 22 | 53,7% | 19 | 46,3% | 41 |
| Environmental samples | 12 | 28,6% | 7 | 16,7% | 19 | 45,2% | 23 | 54,8% | 42 |
| Dairy products excluding raw milk (125g) | 14 | 37,9% | 3 | 8,1% | 17 | 45,9% | 20 | 54,1% | 37 |
| Powder Infant Formula and cereals (125g) | 10 | 25,0% | 5 | 12,5% | 15 | 37,5% | 25 | 62,5% | 40 |
| **All** | **114** | **30,3%** | **73** | **19,4%** | **187** | **49,7%** | **189** | **50,3%** | **376** |

According to the *Requirements regarding comparison and interlaboratory studies for implementation of the standard EN ISO 16140-2*, v12, "for *Listeria* genus studies, compliance per category with a proportion of at least 15 to 25 *Listeria* spp contaminated samples (alone or combined with *Listeria monocytogenes*) is requested". This requirement is fulfilled for each category.

#### 3.1.3.2. Results

Raw data are shown in appendices D1 and D2 for the initial validation study, in appendix D3 for the renewal study and in appendix D4 for extension study. Table 6 shows the results of the sensitivity study for all categories.

*Table 6: distribution of the samples per category and type (PA: positive agreement, TNA: total negative agreement, TND: total negative deviation, PD: positive deviation)*

| Category | | PA | TNA | PD | TND | Total |
|---|---|---|---|---|---|---|
| **1** | **Meat products** | 64 | 35 | 4 | 3 | 106 |
| **2** | **Dairy products** | 37 | 41 | 7 | 2 | 87 |
| **3** | **Seafood products** | 42 | 38 | 6 | 4 | 90 |
| **4** | **Vegetal products** | 40 | 42 | 3 | 4 | 89 |
| **5** | **Composite foods** | 31 | 30 | 5 | 5 | 71 |
| **6** | **Environmental samples** | 35 | 45 | 6 | 1 | 87 |
| **7** | **Dairy products excluding raw milk (125g)** | 30 | 43 | 4 | 3 | 80 |
| **8** | **Powder Infant Formula and cereals (125g)** | 24 | 44 | 13 | 3 | 84 |
| **Total** | | **303** | **318** | **48** | **25** | **694** |

#### 3.1.3.3. Calculation of relative trueness (RT), sensitivity (SE) and false positive and negative ratio (FPR/FNR)

The set of results obtained were used to calculate the relative trueness, the sensitivity and the false positive ratio for each of the categories and for all the categories, according to the formulas set out in the EN ISO 16140-2:2016 standard (Table 7).

*Table 7: values in % of sensitivity for the two methods, relative trueness and false positive ratio for the alternative method ($SE_{alt}$: sensitivity for the alternative method, $SE_{ref}$: sensitivity for the reference method, RT: relative trueness, FPR/FNR: false positive/negative ratio for the alternative method)*

| Category | | Type | PA | $PA_{FP(alt)}$ | NA | $NA_{FN(alt)}$ | PD | ND | $ND_{FN(alt)}$ | $PD_{FP(alt)}$ | TND | TNA | $SE_{alt}$ % | $SE_{ref}$ % | RT % | FPR % | FNR % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Meat products ❶ | a | Raw products | 26 | 0 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 100,0 | 92,9 | 94,7 | 0,0 | 0,0% |
| | b | Ready-to-eat and processed meat products | 10 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 2 | 10 | 83,3 | 100,0 | 90,9 | 0,0 | 0,0% |
| | c | Cured products | 28 | 0 | 15 | 0 | 2 | 1 | 0 | 0 | 1 | 15 | 96,8 | 93,5 | 93,5 | 0,0 | 0,0% |
| | | **Total** | **64** | **0** | **35** | **0** | **4** | **3** | **0** | **0** | **3** | **35** | **95,8** | **94,4** | **93,4** | **0,0** | **0,0%** |
| Dairy products ❷ | a | Raw and pasteurised milk and cheese with pasteurised milk | 16 | 0 | 15 | 0 | 3 | 1 | 0 | 0 | 1 | 15 | 95,0 | 85,0 | 88,6 | 0,0 | 0,0% |
| | b | Goat and ewes pasteurised milk cheese | 9 | 0 | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 100,0 | 90,0 | 95,2 | 0,0 | 0,0% |
| | c | Raw milk cheese | 12 | 0 | 15 | 0 | 3 | 1 | 0 | 0 | 1 | 15 | 93,8 | 81,3 | 87,1 | 0,0 | 0,0% |
| | | **Total** | **37** | **0** | **41** | **0** | **7** | **2** | **0** | **0** | **2** | **41** | **95,7** | **84,8** | **89,7** | **0,0** | **0,0%** |
| Seafood products ❸ | a | Fresh fish fillets and shellfishs | 17 | 0 | 18 | 0 | 3 | 1 | 2 | 0 | 3 | 18 | 87,0 | 87,0 | 85,4 | 0,0 | 8,7% |
| | b | Smoked fish | 14 | 0 | 10 | 0 | 3 | 1 | 0 | 0 | 1 | 10 | 94,4 | 83,3 | 85,7 | 0,0 | 0,0% |
| | c | Processed products | 11 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 100,0 | 100,0 | 100,0 | 0,0 | 0,0% |
| | | **Total** | **42** | **0** | **38** | **0** | **6** | **2** | **2** | **0** | **4** | **38** | **92,3** | **88,5** | **88,9** | **0,0** | **3,8%** |
| Vegetal products ❹ | a | Raw vegetal products | 7 | 0 | 22 | 0 | 2 | 3 | 0 | 0 | 3 | 22 | 75,0 | 83,3 | 85,3 | 0,0 | 0,0% |
| | b | Ready-to-eat, ready-to-cook raw vegetal products,... | 16 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 100,0 | 100,0 | 100,0 | 0,0 | 0,0% |
| | c | Processed vegetal products | 17 | 0 | 10 | 0 | 1 | 1 | 0 | 0 | 1 | 10 | 94,7 | 94,7 | 93,1 | 0,0 | 0,0% |
| | | **Total** | **40** | **0** | **42** | **0** | **3** | **4** | **0** | **0** | **4** | **42** | **91,5** | **93,6** | **92,1** | **0,0** | **0,0%** |
| Composite food ❺ | a | Ready-to-eat foods | 9 | 0 | 10 | 0 | 1 | 2 | 0 | 0 | 2 | 10 | 83,3 | 91,7 | 86,4 | 0,0 | 0,0% |
| | b | Ready-to-reheat foods | 11 | 0 | 10 | 0 | 3 | 1 | 0 | 0 | 1 | 10 | 93,3 | 80,0 | 84,0 | 0,0 | 0,0% |
| | c | Pastries, egg products,... | 11 | 0 | 10 | 0 | 1 | 2 | 0 | 0 | 2 | 10 | 85,7 | 92,9 | 87,5 | 0,0 | 0,0% |
| | | **Total** | **31** | **0** | **30** | **0** | **5** | **5** | **0** | **0** | **5** | **30** | **87,8** | **87,8** | **85,9** | **0,0** | **0,0%** |
| Environmental samples ❻ | a | Process water | 8 | 0 | 17 | 0 | 2 | 0 | 0 | 0 | 0 | 17 | 100,0 | 80,0 | 92,6 | 0,0 | 0,0% |
| | b | Surface samples | 17 | 0 | 18 | 0 | 2 | 1 | 0 | 0 | 1 | 18 | 95,0 | 90,0 | 92,1 | 0,0 | 0,0% |
| | c | Residu | 10 | 0 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 100,0 | 83,3 | 90,9 | 0,0 | 0,0% |
| | | **Total** | **35** | **0** | **45** | **0** | **6** | **1** | **0** | **0** | **1** | **45** | **97,6** | **85,7** | **92,0** | **0,0** | **0,0%** |
| Dairy products excluding raw milk (125 g) ❼ | a | Raw milk cheese | 11 | 0 | 16 | 0 | 1 | 2 | 0 | 1 | 2 | 17 | 85,7 | 92,9 | 90,3 | 5,9 | 0,0% |
| | b | Pasteurized cheese | 11 | 0 | 13 | 0 | 0 | 1 | 0 | 1 | 1 | 14 | 91,7 | 100,0 | 96,2 | 7,1 | 0,0% |
| | c | Milk powder | 8 | 0 | 14 | 0 | 3 | 0 | 0 | 0 | 0 | 14 | 100,0 | 72,7 | 88,0 | 0,0 | 0,0% |
| | | **Total** | **30** | **0** | **43** | **0** | **4** | **3** | **0** | **2** | **3** | **45** | **91,9** | **89,2** | **91,5** | **4,4** | **0,0%** |
| Powder Infant Formula and cereals (125 g) ❽ | a | Infant formula without probiotics | 8 | 0 | 11 | 0 | 2 | 0 | 0 | 0 | 0 | 11 | 100,0 | 80,0 | 90,5 | 0,0 | 0,0% |
| | b | Infant formula with probiotics | 8 | 0 | 19 | 0 | 4 | 2 | 0 | 0 | 2 | 19 | 85,7 | 71,4 | 81,8 | 0,0 | 0,0% |
| | c | Infant cereals with and without probiotics | 8 | 0 | 14 | 0 | 7 | 1 | 0 | 0 | 1 | 14 | 93,8 | 56,3 | 73,3 | 0,0 | 0,0% |
| | | **Total** | **24** | **0** | **44** | **0** | **13** | **3** | **0** | **0** | **3** | **44** | **92,5** | **67,5** | **81,0** | **0,0** | **0,0%** |
| **All categories** | | | **303** | **0** | **318** | **0** | **48** | **23** | **2** | **2** | **25** | **320** | **93,4** | **87,2** | **89,5** | **0,6** | **0,5%** |

The results for all categories are summarized in the Table 8 below.

*Table 8: summary of the results for all categories*

| Parameter | ISO 16140-2 formulas | Results for all the categories |
|---|---|---|
| **Sensitivity of the alternative method** | $SE_{alt} = \frac{(PA + PD)}{(PA + TND + PD)} x\ 100\ \%$ | 93.4 % |
| **Sensitivity of the reference method** | $SE_{ref} = \frac{(PA + TND)}{(PA + TND + PD)} x\ 100\ \%$ | 87.2 % |
| **Relative trueness** | $RT = \frac{(PA + TNA)}{N} x100\ \%$ | 89.5 % |
| **False positive ratio** | $FPR = \frac{PA_{FP(alt)} + PD_{FP\ (alt)}}{TNA} x\ 100\ \%$ | 0.6 % |
| **False negative ratio** | $FNR = \frac{NA_{FN(alt)} + ND_{FN(alt)}}{PA + TND + PD}$ | 0.5 % |

#### 3.1.3.4. Analysis of discordant results

Discordant results are examined according to the standard ISO 16140-2/A1 (2024).

## *Table 9: summary of the positive deviations*

| Validation | CODE | MATRICES | Cat. | Type | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF | RESULT | RFV LMO | VT | TEST LMO | RFV LIS | VT | TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| Initial | T15 | Tomato burger | PC1 | a | Ø | Ø | Ø | Ø | / | - | 11 | 0,00 | - | 7048 | 3,13 | + | +HA | +HA | +MB | *L.innocua* | + | PD |
| Initial | D7 | Beef minced meat | PC1 | a | Ø | Ø | Ø | Ø | / | - | 199 | 0,05 | + | / | / | + par défaut | +LA | +LA | +LA | *L.monocytogenes* | + | PD |
| Initial | C19 | Chipolata sausage | PC3 | c | -LE | -LE | Ø | Ø | / | - | 8633 | 2,31 | + | / | / | + par défaut | +HA | +HB | +MB | *L.monocytogenes L.welshimeri* | + | PD |
| Initial | V10 | Strasbourg sausages | PC3 | c | Ø | -LE | Ø | Ø | / | - | 7711 | 1,99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | C7 | Cow raw milk cheese | PL1 | a | Ø | Ø | Ø | Ø | / | - | -4 | 0,00 | - | 9209 | 3,25 | + | +HA | +LA | +LB | *L.seeligeri* | + | PD |
| Initial | D14 | Munster cheese | PL1 | a | Ø | -ME | Ø | Ø | / | - | 0 | 0,00 | - | 592 | 0,22 | + | +MB | +MA | +MB | *L.innocua* | + | PD |
| Initial | H1 | Grated Gruyère cheese | PL1 | a | Ø | Ø | Ø | -ME | / | - | 9 | 0,00 | - | 7931 | 3,39 | + | +HA | +HA | +HA | *L.innocua* | + | PD |
| Initial | C10 | Goat cheese | PL2 | b | Ø | -LE | Ø | Ø | / | - | 1710 | 0,45 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | J19 | Milk powder | PL3 | c | Ø | Ø | Ø | Ø | / | - | 8 | 0,00 | - | 7246 | 3,09 | + | +HA | +HA | +MA | *L.innocua* | + | PD |
| Initial | J14 | Raw milk | PL3 | c | Ø | Ø | Ø | Ø | / | - | 6926 | 1,76 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| Initial | J17 | Raw milk | PL3 | c | Ø | Ø | Ø | Ø | / | - | 3054 | 0,77 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| Initial | G8 | Salmon steak | PP1 | a | Ø | Ø | Ø | Ø | / | - | 7666 | 1,94 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | I36 | Tuna steak | PP1 | a | Ø | Ø | Ø | Ø | / | - | 10839 | 2,92 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | S5 | Cod fillet | PP1 | a | Ø | Ø | Ø | -LE | / | - | 42 | 0,00 | - | 7984 | 3,55 | + | +HA | +HA | +HB | *L.innocua* | + | PD |
| Initial | I37 | Scottish smoked salmon | PP2 | b | Ø | Ø | Ø | Ø | / | - | 7678 | 2,06 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PD |
| Initial | I39 | Smoked trout | PP2 | b | Ø | Ø | Ø | Ø | / | - | 7340 | 1,97 | + | / | / | + par défaut | +HB | +HB | +HB | *L.monocytogenes* | + | PD |
| Initial | U3 | Smoked trout | PP2 | b | Ø | Ø | Ø | Ø | / | - | 5 | 0,00 | - | 7665 | 3,41 | + | / | +HA | +HA | *L.innocua* | + | PD |
| Initial | L125-1 | Red cabbage | PV1 | a | Ø | Ø | Ø | -LE | / | - | 25 | 0,00 | - | 2001 | 0,89 | + | / | +MA | +MB | *L.monocytogenes* | + | PD |
| Initial | Q10 | Salmon paupiette with vegetables | C2 | b | PP1 | -LE | Ø | -LE | / | - | -3 | 0,00 | - | 3233 | 1,41 | + | +MA | +MA | +MA | *L.welshimeri* | + | PD |
| Initial | J28 | Strawberry ice-cream | C3 | c | Ø | Ø | Ø | Ø | / | - | 6 | 0,00 | - | 7544 | 3,32 | + | +HA | +HA | +HA | *L.innocua* | + | PD |
| Initial | H13 | Water from light rinsing | EN1 | a | Ø | Ø | Ø | -LE | / | - | 5 | 0,00 | - | 7485 | 3,20 | + | +LB | +HB | +HA | *L.Innocua L.seeligeri* | + | PD |
| Initial | H7 | Water from final rinsing | EN1 | a | Ø | Ø | Ø | Ø | / | - | 8 | 0,00 | - | 7098 | 3,03 | + | +HA | +HA | +HA | *L.seeligeri* | + | PD |
| Initial | G27 | Surface of cold meats knife | EN2 | b | Ø | -LE | -LE | -LE | / | - | 20 | 0,00 | - | 7541 | 2,89 | + | +HA | +HA | +HA | *L.welshimeri* | + | PD |
| Initial | J1 | Surface of stainless steel table in pastries facility | EN2 | b | Ø | Ø | -ME | -ME | / | - | 14 | 0,00 | - | 8251 | 3,51 | + | +HA | +HA | +HB | *L.innocua* | + | PD |
| Initial | I32 | Bone dust | EN3 | c | Ø | Ø | Ø | Ø | / | - | 3 | 0,00 | - | 9928 | 3,89 | + | +MA | +HA | +MA | *L.welshimeri L.innocua* | + | PD |
| Initial | I43 | Residue from cutting counter | EN3 | c | Ø | Ø | Ø | Ø | / | - | 6691 | 1,80 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | + | PD |
| 3rd renew. | 1372306 | Fresh chive | VP1 | a | -ØE | -ØE | -LE | -LE | / | - | 2569 | 0.62 | + | / | / | + | + MC | / | + LB | *L. monocytogenes* | + | PD |
| 3rd renew. | 1398372 | Frozen vegetables gyoza | VP3 | c | + LB | - LE | + MC | - ME | / | - | 2441 | 0.65 | + | / | / | + | - HE | / | + HA | *L. monocytogenes* | + | PD |
| 3rd renew. | 1370081 | Sweetbread bouchée | CF2 | b | -ØE | -ØE | -ØE | -ØE | / | - | 8925 | 2.15 | + | / | / | + | + HA | / | + | *L. monocytogenes* | + | PD |
| 3rd renew. | 1372303 | Mixed vegetables with mayonnaise | CF1 | a | - LE | - LE | - LE | - LE | / | - | 9813 | 2.37 | + | / | / | + | + HA | / | + | *L. monocytogenes* | + | PD |
| 3rd renew. | 1372307 | Cooked turkey aiguillettes | CF2 | b | - LE | - LE | -ØE | -ØE | / | - | 1583 | 0.38 | + | / | / | + | + HA | / | + | *L. monocytogenes* | + | PD |
| Ext. | 1977823 | Raw milk cow cheese (Tomme) | DP125 | a | Ø | EL | Ø | EL | / | - | 8537 | 2.16 | + | / | / | + | AM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977582 | Skimmed milk powder | DP125 | c | EM | EM | EM | Ø | / | - | 686 | 0,17 | + | / | / | + | EM | / | BM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977584 | Powdered buttermilk | DP125 | c | EM | EM | EL | EL | / | - | 6106 | 1,55 | + | / | / | + | BM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1978383 | Skimmed milk powder | DP125 | c | EL | EL | EM | EL | / | - | 3083 | 0,78 | + | / | / | + | CM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977567 | Baby milk powder | PIF125 | a | EL | Ø | Ø | Ø | / | - | 8386 | 2,11 | + | / | / | + | DM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977568 | Junior baby milk powder | PIF125 | a | EL | Ø | EL | Ø | / | - | 8648 | 2,17 | + | / | / | + | BM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977592 | Infant milk 0-6 months+probio | PIF125 | b | EL | EL | EM | Ø | / | - | 11219 | 2,84 | + | / | / | + | AM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977595 | Infant milk 6-12 months+probio | PIF125 | b | EM | EL | EM | EM | / | - | 6299 | 1,59 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977760 | Infant milk 6-12 months+probio | PIF125 | b | EL | EL | EL | Ø | / | - | 8153 | 2,06 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977761 | Infant milk 6-12 months+probio | PIF125 | b | EL | Ø | EL | Ø | / | - | 9400 | 2,38 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977747 | Infant multi-cereals with exotic fruits | PIF125 | c | EL | Ø | EL | Ø | / | - | 9017 | 2,28 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977750 | Infant chocolate cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 9269 | 2,35 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977751 | Infant caramel cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8338 | 2,11 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977773 | Infant cereals with honey | PIF125 | c | EL | Ø | EL | Ø | / | - | 0 | 0,00 | - | 9150 | 3,39 | + | EL | / | AM ∅ halo | *L.innocua* | + | PD |
| Ext. | 1977774 | Biscuit flavored infant cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8364 | 2,12 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977775 | Infant cereals with 5 cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8378 | 2,12 | + | / | / | + | EL | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977781 | Infant caramel cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8486 | 2,15 | + | / | / | + | Ø | / | AM halo | *L. monocytogenes* | + | PD |

## *Table 10: summary of the negative deviations*

| Validation | CODE | MATRICES | Cat. | Type | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| Initial | I10 | Jellied tongue | PC2 | b | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| Initial | L1 | Tuscan minced pork | PC2 | b | Ø | +LA | +HA | +MA | *L.welshimeri* | + | -3 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | / | - | ND |
| Initial | L3 | Rillettes | PC3 | c | +LA | +LA | +HA | +HA | *L.ivanovii* | + | -3 | 0.00 | - | 38 | 0.01 | - | Ø | Ø | Ø | / | - | ND |
| Initial | L6 | Munster cheese | PL1 | a | +LA | +LB | +HA | +HA | *L.innocua* | + | -3 | 0.00 | - | 37 | 0.01 | - | Ø | Ø | Ø | / | - | ND |
| Initial | J20 | Milk powder | PL3 | c | +LA | +LA | +HA | +HA | *L.innocua* | + | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| Initial | M13 | Fish fillet | PP1 | a | PP1 | +LA(1) | +LA | +LA | *L.welshimeri* | + | -3 | 0.00 | - | 38 | 0.01 | - | +HA | +MA | +MA | *L.welshimeri* | - | ND |
| Initial | M16 | Scabbardfish fillet | PP1 | a | PP1 | +LA | +LA | +LA | *L.welshimeri* | + | -3 | 0.00 | - | 25 | 0.01 | - | +MB | +MA | +MB | *L.welshimeri* | - | ND |
| Initial | M15 | Dogfish | PP1 | a | PP1 | +LA | +MA | +MA | *L.welshimeri* | + | -2 | 0.00 | - | 22 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| Initial | S3 | Atlantic smoked salmon | PP2 | b | +HB | +MA | +MB | +MB | *L.innocua* | + | -3 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -LE | Ø | - | ND |
| Initial | Q18 | Red cabbage | PV1 | a | +LA | +LD | +HA | +MB | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | Ø | Ø | - | ND |
| Initial | S8 | Carots | PV1 | a | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | -4 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | -HE | / | - | ND |
| Initial | S12 | Red cabbage | PV1 | a | +LA(2) | +LA(1) | +MA | +MA | *L.monocytogenes* | + | -5 | 0.00 | - | 19 | 0.00 | - | Ø | Ø | -ME | / | - | ND |
| Initial | U9 | Fried zucchini | PV3 | c | -LE | +MB | -LE | +MC | *L.seeligeri* | + | -5 | 0.00 | - | 23 | 0.01 | - | -ME | -LE | -ME | Ø | - | ND |
| Initial | C13 | Cream cake | CF3 | c | +LA | +LB | Ø | -ME | *L.grayi* | + | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | ND |
| Initial | O3 | Cold meats counter knife | EN2 | b | +LB | -ME | +HB | +MB | *L.monocytogenes* | + | -4 | 0.00 | - | 20 | 0.00 | - | Ø | -LE | -ME | / | - | ND |
| 3rd renewal | 1372305 | Coleslaw salad | CF1 | a | + LB | + LB | + HA | + HA | *L. monocytogenes* | + | -1 | -0.00 | - | 13 | 0.00 | - | - ME | / | - ME | / | - | ND |
| 3rd renewal | 1398357 | Custard | CF3 | c | + LA | + LA | + HA | + HA | *L. ivanovii* | + | -2 | -0.00 | - | 11 | 0.00 | - | - ØE | / | - ØE | / | - | ND |
| 3rd renewal | 1398362 | Pork nems | CF2 | b | + LB | - LE | + HA | + HC | *L. monocytogenes* | + | 0 | 0.00 | - | 17 | 0.00 | - | - LE | / | - ME | / | - | ND |
| 3rd renewal | 1409265 | Sandwich ham chedddar salad | CF1 | a | + LA | + LE | + MA | + ME | *L. welshimeri* | + | -2 | -0.00 | - | 26 | 0.00 | - | - ME | / | - LE | / | - | ND |
| Extension | 1977572 | Raw milk cow cheese (Morbier) | DP125 | a | EM | BM halo | EM | AL halo | *L.monocytogenes* | + | 0 | 0.00 | - | 0 | 0.00 | - | EM | / | Ø | / | - | ND |
| Extension | 1977785 | Raw milk cow cheese (St Nectaire) batch 1 | DP125 | a | EM | DM halo | EM | AM∅ halo | *L.innocua* | + | 5 | 0,00 | - | 135 | 0,05 | - | EM | / | EM | / | - | ND |
| Extension | 1977551 | Pasteurized cow cheese | DP125 | b | EM | AM halo | EM | AM halo | *L.monocytogenes* | + | -1 | -0.00 | - | 18 | 0.18 | - | EM | / | Ø | / | - | ND |
| Extension | 1977590 | Organic infant milk | PIF125 | b | EL | AL halo | EL | AM halo | *L.monocytogenes* | + | 1 | 0,00 | - | 21 | 0,00 | - | EM | / | Ø | / | - | ND |
| Extension | 1977756 | Organic infant milk | PIF125 | b | EL | AL halo | EL | AM halo | *L.monocytogenes* | + | 1 | 0,00 | - | 21 | 0.00 | - | EM | / | Ø | / | - | ND |
| Extension | 1977746 | Whole oat and wheat infant cereals | PIF125 | c | EL | AL halo | EM | AM halo | *L.monocytogenes* | + | 1 | 0.00 | - | 24 | 0,00 | - | EL | / | Ø | / | - | ND |

All deviations come from the nature of the study design. In an unpaired study, because of the difference of sampling between both methods, and the use of naturally contaminated samples or seeded samples with low levels of contamination, no cell of *Listeria* may have been present in the sampling of one of the two methods.
For sample 1398368, artificially contaminated with a strain of *Listeria ivanovii*, a negative result is obtained by the alternative method. However, the confirmation protocol allowed finding typical colonies which were confirmed as *Listeria ivanovii*. The result of the reference method is negative for this sample. The comparison of the two methods leads therefore to a negative agreement.
It's important to note that the same strain of *L. ivanovii* was used at the same concentration to contaminate the sample 1398355 and that the result of the alternative method was clearly positive and confirmed.
Another strain of *L. ivanovii* was used combined with a strain of *L. monocytogenes* to contaminate the sample 1409270. The result of the alternative was positive and the two species were found during the confirmation.

Table 11 shows the difference between negative deviations and positive deviations and the acceptability limits.

*Table 11: acceptability limits*

| Category | Type | TND | PD | (TND-PD) | Acceptability limit (AL) | Observation |
|---|---|---|---|---|---|---|
| **Meat products ❶** | a | 0 | 2 | / | / | (TND-PD) ≤ AL |
| | b | 2 | 0 | | | |
| | c | 1 | 2 | | | |
| | Total | 3 | 4 | -1 | 3 | |
| **Dairy products ❷** | a | 1 | 3 | / | / | |
| | b | 0 | 1 | | | |
| | c | 1 | 3 | | | |
| | Total | 2 | 7 | -5 | 3 | |
| **Seafood products ❸** | a | 3 | 3 | / | / | |
| | b | 1 | 3 | | | |
| | c | 0 | 0 | | | |
| | Total | 4 | 6 | -2 | 3 | |
| **Vegetal products ❹** | a | 3 | 2 | / | / | |
| | b | 0 | 0 | | | |
| | c | 1 | 1 | | | |
| | Total | 4 | 3 | 1 | 3 | |
| **Composite foods ❺** | a | 2 | 1 | / | / | |
| | b | 1 | 3 | | | |
| | c | 2 | 1 | | | |
| | Total | 5 | 5 | 0 | 3 | |
| **Environmental samples ❻** | a | 0 | 2 | / | / | |
| | b | 1 | 2 | | | |
| | c | 0 | 2 | | | |
| | Total | 1 | 6 | -5 | 3 | |
| **Dairy products excluding raw milk (125g) ❼** | a | 2 | 1 | | | |
| | b | 1 | 0 | | | |
| | c | 0 | 3 | | | |
| | Total | 3 | 4 | -1 | 3 | |
| **Powder Infant Formula and cereals (125g) ❽** | a | 0 | 2 | | | |
| | b | 2 | 4 | | | |
| | c | 1 | 7 | | | |
| | Total | 3 | 13 | -10 | 3 | |
| ***All categories*** | ***Total*** | **25** | **48** | ***-23*** | ***7*** | |

The observed values (TND – PD) are below the acceptability limit for each category and for all categories. The alternative method produces results comparable to the reference method.

#### 3.1.3.5. Comments on tests performed after 72 hours of storage

The LX broths were tested using the VIDAS LDUO TEST, immediately after incubation, then stored for 3 days at 2°C - 8°C and retested. In addition, LX broth was isolated on selective agar and confirmation tests were performed.

Some discordances between the two results appeared during the VIDAS LDUO test performed using LX broth stored for 72 hours at 2°C – 8°C:

- 7 samples: L11 (ice cream), H14 (residues), I19 (beefsteak), K6 (porc ribs), T15 (tomato burger), V2 (catalan poellee), V16 (tomato burger, presented a discordance between the specific test result and the identification result (positive DLMO test result with identification of a *Listeria* strain other than *L. monocytogenes*).

- 3 samples: C11 raw milk cheese, E4 soft cheese with chocolate, R5 Herring fillet, gave a positive result with the DLIS test but no *Listeria* was observed on selective agars. The reference method gave a negative result for these 3 samples. There are consequently false positive results after the storage of the broths.

- a sample which gave a negative deviation with the initial test (M13, fish fillet) became concordant following storage of the LX broth at 2°C - 8°C.

During these extension, two discordances between the two results appeared during the VIDAS LDUO test performed using LX broth stored for 72 hours at 2°C – 8°C:

- 1 sample: 1977520 (Goat cheese with raw milk) gave a false positive result with the initial test and became concordant negative result following storage of the LX broth at 2°C - 8°C.

- 1 sample: 1977579 (Skimmed milk powder) gave a negative result with the initial test and became false negative result (just like the reference method) following storage of the LX broth at 2°C - 8°C.

These results are summarized below:

| Samples | Results at the end of incubation | Results after storage at 2-8°C |
|---|---|---|
| L11, H14, I19, K6, V2, V16 | DLIS: +<br>Confirmation: + (PA) | DLMO: +<br>Confirmation: presence of *Listeria* spp other than *L. monocytogenes* (PA) |
| T15 | DLIS: +<br>Confirmation: + (PD) | DLMO: +<br>Confirmation: presence of *Listeria* spp other than *L. monocytogenes* (PA)) |
| C11, E4, R5 | DLIS: -<br>Confirmation: - (NA) | DLIS: +<br>Confirmation: - ($PD_{FP(alt)}$) |
| M13 | DLIS: - (ND) | DLIS: +<br>Confirmation: + (PA) |
| 1977520 | DLIS: +<br>Confirmation: - ($PD_{FP(alt)}$) | DLIS: -<br>Confirmation: - (NA) |
| 1977579 | DLIS: -<br>Confirmation: - (NA) | DLIS: -<br>Confirmation: + ($NA_{FN(alt)}$) |

The results of the VIDAS LDUO tests performed on the LX broths stored for 72 hours at 2°C - 8°C are therefore globally equivalent to those obtained when the VIDAS LDUO test is carried out directly after incubation.

Table 12 shows the difference between negative deviations and positive deviations and the acceptability limits.

*Table 12: acceptability limits*

| Category | Type | TND | PD | (TND-PD) | Acceptability limit (AL) | Observation |
|---|---|---|---|---|---|---|
| **Meat products ❶** | a | 0 | 2 | / | / | (TND-PD) ≤ AL |
| | b | 2 | 0 | | | |
| | c | 1 | 2 | | | |
| | Total | 3 | 4 | -1 | 3 | |
| **Dairy products ❷** | a | 1 | 3 | / | / | |
| | b | 0 | 1 | | | |
| | c | 1 | 3 | | | |
| | Total | 2 | 7 | -5 | 3 | |
| **Seafood products ❸** | a | 3 | 3 | / | / | |
| | b | 1 | 3 | | | |
| | c | 0 | 0 | | | |
| | Total | 4 | 6 | -2 | 3 | |
| **Vegetal products ❹** | a | 3 | 2 | / | / | |
| | b | 0 | 0 | | | |
| | c | 1 | 1 | | | |
| | Total | 4 | 3 | 1 | 3 | |
| **Composite foods ❺** | a | 2 | 1 | / | / | |
| | b | 1 | 3 | | | |
| | c | 2 | 1 | | | |
| | Total | 5 | 5 | 0 | 3 | |
| **Environmental samples ❻** | a | 0 | 2 | / | / | |
| | b | 1 | 2 | | | |
| | c | 0 | 2 | | | |
| | Total | 1 | 6 | -5 | 3 | |
| **Dairy products excluding raw milk (125g) ❼** | a | 2 | 1 | | | |
| | b | 1 | 0 | | | |
| | c | 0 | 3 | | | |
| | Total | 3 | 4 | -1 | 3 | |
| **Powder Infant Formula and cereals (125g) ❽** | a | 0 | 2 | | | |
| | b | 2 | 4 | | | |
| | c | 1 | 7 | | | |
| | Total | 3 | 13 | -10 | 3 | |
| ***All categories*** | ***Total*** | **25** | **48** | ***-23*** | ***7*** | |

The observed values (TND – PD) are below the acceptability limit for each category and for all categories after storage of the broths. The alternative method produces results comparable to the reference method.

### 3.1.4. Detection of *Listeria monocytogenes*

#### 3.1.4.1. Number and nature of the samples

The sensitivity study for all categories concerned 715 samples: 464 analyzed during the initial validation study, 79 analyzed during this third renewal study and 172 analyzed during the extension

Samples analyzed by category and type are presented in Table 13.

*Table 13: distribution of the samples per category and type*

| Category | Types | | Positive results | Negative results | Total |
|---|---|---|---|---|---|
| **Meat products** | a | Raw meat products | 17 | 21 | 38 |
| | b | RTRH products and meat-based products | 10 | 12 | 22 |
| | c | Delicatessen | 23 | 24 | 47 |
| | **Total** | | **50** | **57** | **107** |
| **Dairy products** | a | Cow raw milk cheese | 14 | 24 | 38 |
| | b | Goat or ewe raw milk cheese | 10 | 12 | 22 |
| | c | Other milk products | 10 | 21 | 31 |
| | **Total** | | **34** | **57** | **91** |
| **Seafood products** | a | Raw products | 12 | 29 | 41 |
| | b | Smoked, marinated products | 16 | 10 | 26 |
| | c | Ready-to-eat and ready-to-reheat products | 10 | 10 | 20 |
| | **Total** | | **38** | **49** | **87** |
| **Vegetal products** | a | Raw vegetal products | 10 | 28 | 38 |
| | b | Pre-cut fruits and vegetables | 15 | 13 | 28 |
| | c | Plant product based food | 11 | 18 | 29 |
| | **Total** | | **36** | **59** | **95** |
| **Composite foods** | a | Ready-to-eat products | 10 | 10 | 20 |
| | b | Ready-to-reheat products | 11 | 10 | 21 |
| | c | Pastries and derivated, egg products | 10 | 13 | 23 |
| | **Total** | | **31** | **33** | **64** |
| **Environmental samples** | a | Process and cleaning waters | 10 | 21 | 31 |
| | b | Surface samples | 14 | 32 | 46 |
| | c | Residues | 12 | 10 | 22 |
| | **Total** | | **36** | **63** | **99** |
| **Dairy products excluding raw milk (125g)** | a | Raw milk cheese | 11 | 23 | 34 |
| | b | Pasteurized cheese | 9 | 18 | 27 |
| | c | Milk powder | 10 | 18 | 28 |
| | **Total** | | **30** | **59** | **89** |
| **Powder Infant Formula and cereals (125g)** | a | Infant formula without probiotic | 8 | 13 | 21 |
| | b | Infant formula with probiotic | 9 | 23 | 32 |
| | c | Infant cereal with and w/o probiotic | 13 | 17 | 30 |
| | **Total** | | **30** | **53** | **83** |
| **Total** | | | **285** | **430** | **715** |

#### 3.1.4.2. Results

Raw data are shown in appendices D1 and D2 for the initial validation study, in appendix D3 for the renewal study and appendix D4 for extension study.

Table 14 shows the results of the sensitivity study for all categories.

*Table 14: Distribution of the samples per category and type (PA: positive agreement, NA: negative agreement, ND: negative deviation, PD: positive deviation, PP: presumptive positive before confirmation)*

| Category | | PA | TNA | PD | TND | Total |
|---|---|---|---|---|---|---|
| **1** | **Meat products** | 44 | 57 | 5 | 1 | 107 |
| **2** | **Dairy products** | 30 | 57 | 4 | 0 | 91 |
| **3** | **Seafood products** | 33 | 49 | 5 | 0 | 87 |
| **4** | **Vegetal products** | 29 | 59 | 4 | 3 | 95 |
| **5** | **Composite foods** | 24 | 33 | 5 | 2 | 64 |
| **6** | **Environmental samples** | 34 | 63 | 1 | 1 | 99 |
| **7** | **Dairy products excluding raw milk (125g)** | 21 | 59 | 7 | 2 | 89 |
| **8** | **Powder Infant Formula and cereals (125g)** | 15 | 53 | 12 | 3 | 83 |
| **Total** | | 230 | 430 | 43 | 12 | 715 |

#### 3.1.4.3. Calculation of relative trueness (RT), sensitivity (SE) and false positive ratio (PFR)

The set of results obtained were used to calculate the relative trueness, the sensitivity and the false positive ratio for each of the categories and for all the categories, according to the formulas set out in the EN ISO 16140-2/A1 (2024) standard (Table 15).

*Table 15: values in % of sensitivity for the two methods, relative trueness and false positive ratio for the alternative method ($SE_{alt}$: sensitivity for the alternative method, $SE_{ref}$: sensitivity for the reference method, RT: relative trueness, FPR/FNR: false positive/negative ratio for the alternative method)*

| Category | | Type | PA | $PA_{FP(alt)}$ | NA | $NA_{FN(alt)}$ | PD | ND | $ND_{FN(alt)}$ | $PD_{FP(alt)}$ | TND | TNA | $SE_{alt}$ % | $SE_{ref}$ % | RT % | FPR % | FNR % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Meat products ❶ | a | Raw products | 15 | 0 | 21 | 0 | 2 | 0 | 0 | 0 | 0 | 21 | 100,0 | 88,2 | 94,7 | 0,0 | 0,0% |
| | b | Ready-to-eat and processed meat products | 9 | 0 | 12 | 0 | 0 | 0 | 1 | 0 | 1 | 12 | 90,0 | 100,0 | 95,5 | 0,0 | 10,0% |
| | c | Cured products | 20 | 0 | 24 | 0 | 3 | 0 | 0 | 0 | 0 | 24 | 100,0 | 87,0 | 93,6 | 0,0 | 0,0% |
| | | **Total** | **44** | **0** | **57** | **0** | **5** | **0** | **1** | **0** | **1** | **57** | **98,0** | **90,0** | **94,4** | **0,0** | **2,0%** |
| Dairy products ❷ | a | Raw and pasteurised milk and cheese with pasteurised milk | 14 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 100,0 | 100,0 | 100,0 | 0,0 | 0,0% |
| | b | Goat and ewes pasteurised milk cheese | 8 | 0 | 12 | 0 | 2 | 0 | 0 | 0 | 0 | 12 | 100,0 | 80,0 | 90,9 | 0,0 | 0,0% |
| | c | Raw milk cheese | 8 | 0 | 21 | 0 | 2 | 0 | 0 | 0 | 0 | 21 | 100,0 | 80,0 | 93,5 | 0,0 | 0,0% |
| | | **Total** | **30** | **0** | **57** | **0** | **4** | **0** | **0** | **0** | **0** | **57** | **100,0** | **88,2** | **95,6** | **0,0** | **0,0%** |
| Seafood products ❸ | a | Fresh fish fillets and shellfishs | 9 | 0 | 29 | 0 | 3 | 0 | 0 | 0 | 0 | 29 | 100,0 | 75,0 | 92,7 | 0,0 | 0,0% |
| | b | Smoked fish | 14 | 0 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 100,0 | 87,5 | 92,3 | 0,0 | 0,0% |
| | c | Processed products | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 100,0 | 100,0 | 100,0 | 0,0 | 0,0% |
| | | **Total** | **33** | **0** | **49** | **0** | **5** | **0** | **0** | **0** | **0** | **49** | **100,0** | **86,8** | **94,3** | **0,0** | **0,0%** |
| Vegetal products ❹ | a | Raw vegetal products | 5 | 0 | 28 | 1 | 2 | 3 | 0 | 0 | 3 | 29 | 70,0 | 80,0 | 86,8 | 0,0 | 10,0% |
| | b | Ready-to-eat, ready-to-cook raw vegetal products,... | 14 | 0 | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 13 | 100,0 | 93,3 | 96,4 | 0,0 | 0,0% |
| | c | Processed vegetal products | 10 | 0 | 18 | 0 | 1 | 0 | 0 | 0 | 0 | 18 | 100,0 | 90,9 | 96,6 | 0,0 | 0,0% |
| | | **Total** | **29** | **0** | **59** | **1** | **4** | **3** | **0** | **0** | **3** | **60** | **91,7** | **88,9** | **92,6** | **0,0** | **2,8%** |
| Composite food ❺ | a | Ready-to-eat foods | 6 | 0 | 10 | 0 | 3 | 1 | 0 | 0 | 1 | 10 | 90,0 | 70,0 | 80,0 | 0,0 | 0,0% |
| | b | Ready-to-reheat foods | 8 | 0 | 10 | 0 | 2 | 1 | 0 | 0 | 1 | 10 | 90,9 | 81,8 | 85,7 | 0,0 | 0,0% |
| | c | Pastries, egg products,... | 10 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 100,0 | 100,0 | 100,0 | 0,0 | 0,0% |
| | | **Total** | **24** | **0** | **33** | **0** | **5** | **2** | **0** | **0** | **2** | **33** | **93,5** | **83,9** | **89,1** | **0,0** | **0,0%** |
| Environmental samples ❻ | a | Process water | 10 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 100,0 | 100,0 | 100,0 | 0,0 | 0,0% |
| | b | Surface samples | 13 | 0 | 32 | 0 | 0 | 1 | 0 | 0 | 1 | 32 | 92,9 | 100,0 | 97,8 | 0,0 | 0,0% |
| | c | Residu | 11 | 0 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 11 | 100,0 | 91,7 | 95,5 | 0,0 | 8,3% |
| | | **Total** | **34** | **0** | **63** | **1** | **1** | **1** | **0** | **0** | **1** | **64** | **97,2** | **97,2** | **98,0** | **0,0** | **2,8%** |
| Dairy products excluding raw milk (125 g) ❼ | a | Raw milk cheese | 9 | 0 | 23 | 0 | 1 | 1 | 0 | 1 | 1 | 24 | 90,9 | 90,9 | 94,3 | 4,2 | 0,0% |
| | b | Pasteurized cheese | 6 | 0 | 18 | 0 | 2 | 1 | 0 | 1 | 1 | 19 | 88,9 | 77,8 | 89,3 | 5,3 | 0,0% |
| | c | Milk powder | 6 | 0 | 18 | 0 | 4 | 0 | 0 | 0 | 0 | 18 | 100,0 | 60,0 | 85,7 | 0,0 | 0,0% |
| | | **Total** | **21** | **0** | **59** | **0** | **7** | **2** | **0** | **2** | **2** | **61** | **93,3** | **76,7** | **90,1** | **3,3** | **0,0%** |
| Powder Infant Formula and cereals (125 g) ❽ | a | Infant formula without probiotics | 5 | 0 | 13 | 0 | 2 | 0 | 1 | 0 | 1 | 13 | 87,5 | 75,0 | 85,7 | 0,0 | 12,5% |
| | b | Infant formula with probiotics | 4 | 0 | 23 | 0 | 4 | 1 | 0 | 0 | 1 | 23 | 88,9 | 55,6 | 84,4 | 0,0 | 0,0% |
| | c | Infant cereals with and without probiotics | 6 | 0 | 17 | 0 | 6 | 1 | 0 | 0 | 1 | 17 | 92,3 | 53,8 | 76,7 | 0,0 | 0,0% |
| | | **Total** | **15** | **0** | **53** | **0** | **12** | **2** | **1** | **0** | **3** | **53** | **90,0** | **60,0** | **81,9** | **0,0** | **3,3%** |
| **All categories** | | | **230** | **0** | **430** | **2** | **43** | **10** | **2** | **2** | **12** | **434** | **95,8** | **84,9** | **92,3** | **0,5** | **1,4%** |

The results for all categories are summarized in the Table 16 below.

*Table 16: summary of the results for all categories*

| Parameter | ISO 16140-2 formulas | Results for all the categories |
|---|---|---|
| **Sensitivity of the alternative method** | $SE_{alt} = \frac{(PA + PD)}{(PA + TND + PD)} x\ 100\ \%$ | 95.8 % |
| **Sensitivity of the reference method** | $SE_{ref} = \frac{(PA + TND)}{(PA + TND + PD)} x\ 100\ \%$ | 84.9 % |
| **Relative trueness** | $RT = \frac{(PA + TNA)}{N} x100\ \%$ | 92.3 % |
| **False positive ratio** | $FPR = \frac{PA_{FP(alt)} + PD_{FP\ (alt)}}{TNA} x\ 100\ \%$ | 0.5 % |
| **False negative ratio** | $FNR = \frac{NA_{FN(alt)} + ND_{FN(alt)}}{PA + TND + PD}$ | 1.4 % |

#### 3.1.4.4. Analysis of discordant results

Discordant results are examined according to the standard ISO 16140-2/A1 (2024).
The Table 17 summarizes the positive deviations and Table 18 summarizes negative deviations.

## *Table 17: summary of the positive deviations*

| Validation | CODE | MATRICES | Cat. | Type | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | FINAL RESULT | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF | RESULT | RFV LMO | VT | TEST LMO | RFV LIS | VT | TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| Initial | D7 | Beef minced meat | PC1 | a | Ø | Ø | Ø | Ø | / | - | 199 | 0.05 | + | / | / | + par défaut | +LA | +LA | +LA | *L.monocytogenes* | + | PD |
| Initial | C19 | Chipolata sausage | PC3 | c | -LE | -LE | Ø | Ø | / | - | 8633 | 2.31 | + | / | / | + par défaut | +HA | +HB | +MB | *L.monocytogenes L.welshimeri* | + | PD |
| Initial | V10 | Strasbourg sausages | PC3 | c | Ø | -LE | Ø | Ø | / | - | 7711 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | C10 | Goat cheese | PL2 | b | Ø | -LE | Ø | Ø | / | - | 1710 | 0.45 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | J14 | Raw milk | PL3 | c | Ø | Ø | Ø | Ø | / | - | 6926 | 1.76 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| Initial | J17 | Raw milk | PL3 | c | Ø | Ø | Ø | Ø | / | - | 3054 | 0.77 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| Initial | G8 | Salmon steak | PP1 | a | Ø | Ø | Ø | Ø | / | - | 7666 | 1.94 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | I36 | Tuna steak | PP1 | a | Ø | Ø | Ø | Ø | / | - | 10839 | 2.92 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| Initial | I37 | Scottish smoked salmon | PP2 | b | Ø | Ø | Ø | Ø | / | - | 7678 | 2.06 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PD |
| Initial | I39 | Smoked trout | PP2 | b | Ø | Ø | Ø | Ø | / | - | 7340 | 1.97 | + | / | / | + par défaut | +HB | +HB | +HB | *L.monocytogenes* | + | PD |
| Initial | L125-1 | Red cabbage | PV1 | a | Ø | Ø | Ø | -LE | / | - | 25 | 0.00 | - | 2001 | 0.89 | + | / | +MA | +MB | *L.monocytogenes* | + | PD |
| Initial | I43 | Residue from cutting counter | EN3 | c | Ø | Ø | Ø | Ø | / | - | 6691 | 1.80 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | + | PD |
| Initial | V14 | Chicken fillet | PC1 | a | Ø | Ø | +HA | +MA | *L.welshimeri* | - | 1934 | 0.50 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes L.welshimeri* | + | PD |
| Initial | V11 | Smoked lardons | PC3 | c | Ø | +LA | +HA | +HA | *L.welshimeri* | - | 7529 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.welshimeri* | + | PD |
| Initial | B16 | Ossau Iraty cheese | PL2 | b | Ø | +LB | -LE | -LE | *L.seeligeri* | - | 7636 | 2.04 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PD |
| Initial | U1 | Prawns | PP1 | a | Ø | +LA | +MA | +HA | *L.seeligeri* | - | 7478 | 1.91 | + | / | / | + par défaut | / | +HA | +HB | *L.monocytogenes L.seeligeri* | + | PD |
| Initial | C1 | Frozen fried potatoes | PV2 | b | -LE | +LA | Ø | Ø | *L.grayi* | - | 6710 | 1.79 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PD |
| 3rd renew. | 1372306 | Fresh chive | VP1 | a | - ØE | - ØE | - LE | - LE | / | - | 2569 | 0.62 | + | / | / | + | + MC | / | + LB | *L. monocytogenes* | + | PD |
| 3rd renew. | 1370081 | Sweetbread bouchée | CF2 | b | - ØE | - ØE | - ØE | - ØE | / | - | 8925 | 2.15 | + | / | / | + | + HA | / | + | *L. monocytogenes* | + | PD |
| 3rd renew. | 1372303 | Mixed vegetables with mayonnaise | CF1 | a | - LE | - LE | - LE | - LE | / | - | 9813 | 2.37 | + | / | / | + | + HA | / | + | *L. monocytogenes* | + | PD |
| 3rd renew. | 1372307 | Cooked turkey aiguillettes | CF2 | b | - LE | - LE | - ØE | - ØE | / | - | 1583 | 0.38 | + | / | / | + | + HA | / | + | *L. monocytogenes* | + | PD |
| 3rd renew. | 1409271 | Cucumber with cottage cheese and chives | CF1 | a | + MC | + MA | + MA | + MB | *L. innocua* | - | 10933 | 2.85 | + | / | / | + | + MA | / | + MC | *L. monocytogenes L. innocua* | + | PD |
| 3rd renew. | 1409275 | Saveloy salad with vinaigrette | CF1 | a | + LA | + LB | + MA | + MB | *L. welshimeri* | - | 8449 | 2.20 | + | / | / | + | + HA | / | + HA | *L. monocytogenes* | + | PD |
| 3rd renew. | 1398372 | Frozen vegetables gyoza | VP3 | c | + LB | - LE | + MC | - ME | / | - | 2441 | 0.65 | + | / | / | + | + HA | / | - HE | *L. monocytogenes* | + | PD |
| Ext. | 1977823 | Raw milk cow cheese (Tomme) | DP125 | a | Ø | EL | Ø | EL | / | - | 8537 | 2.16 | + | / | / | + | AM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977582 | Skimmed milk powder | DP125 | c | EM | EM | EM | Ø | / | - | 686 | 0,17 | + | / | / | + | EM | / | BM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977584 | Powdered buttermilk | DP125 | c | EM | EM | EL | EL | / | - | 6106 | 1,55 | + | / | / | + | BM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977542 | Pasteurized cow cheese (Munster) | DP125 | b | Ø | EM | Ø | EM | / | - | 1324 | 0.33 | + | / | / | + | CM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977546 | Pasteurized sheep cheese | DP125 | b | EM | CL sans halo | CM | AM sans halo | *L.welshimeri* | - | 3607 | 0.93 | + | / | / | + | CM | / | AM halo+sans halo | *L.monocytogenes L.welshimeri* | + | PD |
| Ext. | 1977555 | Powdered whey | DP125 | c | EL | EL | DM | AM sans halo | *L.innocua* | - | 671 | 0.17 | + | / | / | + | CM | / | AM halo+ sans halo | *L.innocua L.monocytogenes* | + | PD |
| Ext. | 1978383 | Skimmed milk powder | DP125 | c | EL | EL | EM | EL | / | - | 3083 | 0.78 | + | / | / | + | CM | / | AM halo | *L.monocytogenes* | + | PD |
| Ext. | 1977567 | Baby milk powder | PIF125 | a | EL | Ø | Ø | Ø | / | - | 8386 | 2,11 | + | / | / | + | DM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977568 | Junior baby milk powder | PIF125 | a | EL | Ø | EL | Ø | / | - | 8648 | 2,17 | + | / | / | + | BM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977592 | Infant milk 0-6 months+probio | PIF125 | b | EL | EL | EM | Ø | / | - | 11219 | 2,84 | + | / | / | + | AM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977595 | Infant milk 6-12 months+probio | PIF125 | b | EM | EL | EM | EM | / | - | 6299 | 1,59 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977760 | Infant milk 6-12 months+probio | PIF125 | b | EL | EL | EL | Ø | / | - | 8153 | 2,06 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977761 | Infant milk 6-12 months+probio | PIF125 | b | EL | Ø | EL | Ø | / | - | 9400 | 2,38 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977747 | Infant multi-cereals with exotic fruits | PIF125 | c | EL | Ø | EL | Ø | / | - | 9017 | 2.28 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977750 | Infant chocolate cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 9269 | 2.35 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977751 | Infant caramel cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8338 | 2.11 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977774 | Biscuit flavored infant cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8364 | 2.12 | + | / | / | + | EM | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977775 | Infant cereals with 5 cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8378 | 2.12 | + | / | / | + | EL | / | AM halo | *L. monocytogenes* | + | PD |
| Ext. | 1977781 | Infant caramel cereals | PIF125 | c | EL | Ø | EL | Ø | / | - | 8486 | 2.15 | + | / | / | + | Ø | / | AM halo | *L. monocytogenes* | + | PD |

*Table 18: summary of the negative deviations*

| Validation | CODE | MATRICES | Cat. | Type | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| Initial | I10 | Jellied tongue | PC2 | b | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| Initial | Q18 | Red cabbage | PV1 | a | +LA | +LD | +HA | +MB | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | Ø | Ø | - | ND |
| Initial | S8 | Carots | PV1 | a | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | -4 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | -HE | / | - | ND |
| Initial | S12 | Red cabbage | PV1 | a | +LA(2) | +LA(1) | +MA | +MA | *L.monocytogenes* | + | -5 | 0.00 | - | 19 | 0.00 | - | Ø | Ø | -ME | / | - | ND |
| Initial | O3 | Cold meats counter knife | EN2 | b | +LB | -ME | +HB | +MB | *L.monocytogenes* | + | -4 | 0.00 | - | 20 | 0.00 | - | Ø | -LE | -ME | / | - | ND |
| 3rd renewal | 1372305 | Coleslaw salad | CF1 | a | + LB | + LB | + HA | + HA | *L. monocytogenes* | + | -1 | -0.00 | - | 13 | 0.00 | - | - ME | / | - ME | / | - | ND |
| 3rd renewal | 1398362 | Pork nems | CF2 | b | + LB | - LE | + HA | + HC | *L. monocytogenes* | + | 0 | 0.00 | - | 17 | 0.00 | - | - LE | / | - ME | / | - | ND |
| Extension | 1977572 | Raw milk cow cheese (Morbier) | DP125 | a | EM | BM halo | EM | AL halo | *L.monocytogenes* | + | 0 | 0.00 | - | 0 | 0.00 | - | EM | / | Ø | / | - | ND |
| Extension | 1977551 | Pasteurized cow cheese | DP125 | b | EM | AM halo | EM | AM halo | *L.monocytogenes* | + | -1 | -0.00 | - | 18 | 0.18 | - | EM | / | Ø | / | - | ND |
| Extension | 1977590 | Organic infant milk | PIF125 | b | EL | AL halo | EL | AM halo | *L.monocytogenes* | + | 1 | 0,00 | - | 21 | 0,00 | - | EM | / | Ø | / | - | ND |
| Extension | 1977746 | Whole oat and wheat infant cereals | PIF125 | c | EL | AL halo | EM | AM halo | *L.monocytogenes* | + | 1 | 0.00 | - | 24 | 0,00 | - | EL | / | Ø | / | - | ND |
| Extension | 1977561 | Baby milk powder 6-12 months LOT 1 | PIF125 | a | DM | BM halo + sans | BM | AM halo + sans | *L.innocua* *L.monocytogenes* | + | 104 | 0,02 | - | 9205 | 3.3 | + | DM | / | AM halo + sans | *L.monocytogenes* *L. innocua* | - | ND |

All deviations come from the nature of the study design. In an unpaired study, because of the difference of sampling between both methods, and the use of naturally contaminated samples or seeded samples with low levels of contamination, no cell of *L. monocytogenes* may have been present in the sampling of one of the two methods.
As sensitivity of *Listeria* (DLIS) detection is slightly greater than *L. monocytogenes* (DLMO) detection, in rare borderline cases, a negative result may be obtained for detection of *L. monocytogenes* (DLMO) which is then revealed during confirmation of the positive *Listeria* (DLIS) detection.
Table 19 shows the difference between negative deviations and positive deviations and the acceptability limits.

*Table 19: acceptability limits*

| Category | Type | TND | PD | (TND-PD) | Acceptability limit (AL) | Observation |
|---|---|---|---|---|---|---|
| **Meat products ❶** | a | 0 | 2 | / | / | (TND-PD) ≤ AL |
| | b | 1 | 0 | | | |
| | c | 0 | 3 | | | |
| | Total | 1 | 5 | -4 | 3 | |
| **Dairy products ❷** | a | 0 | 0 | / | / | |
| | b | 0 | 2 | | | |
| | c | 0 | 2 | | | |
| | Total | 0 | 4 | -4 | 3 | |
| **Seafood products ❸** | a | 0 | 3 | / | / | |
| | b | 0 | 2 | | | |
| | c | 0 | 0 | | | |
| | Total | 0 | 5 | -5 | 3 | |
| **Vegetal products ❹** | a | 3 | 2 | / | / | |
| | b | 0 | 1 | | | |
| | c | 0 | 1 | | | |
| | Total | 3 | 4 | -1 | 3 | |
| **Composite foods ❺** | a | 1 | 3 | / | / | |
| | b | 1 | 2 | | | |
| | c | 0 | 0 | | | |
| | Total | 2 | 5 | -3 | 3 | |
| **Environmental samples ❻** | a | 0 | 0 | / | / | |
| | b | 1 | 0 | | | |
| | c | 0 | 1 | | | |
| | Total | 1 | 1 | 0 | 3 | |
| **Dairy products excluding raw milk (125g) ❼** | a | 1 | 1 | / | / | |
| | b | 1 | 2 | | | |
| | c | 0 | 4 | | | |
| | Total | 2 | 7 | -5 | 3 | |
| **Powder Infant Formula and cereals (125g) ❽** | a | 1 | 2 | / | / | |
| | b | 1 | 4 | | | |
| | c | 1 | 6 | | | |
| | Total | 3 | 12 | -9 | 3 | |
| ***All categories*** | ***Total*** | **12** | **43** | ***-31*** | ***7*** | |

The observed values (TND – PD) are below the acceptability limit for each category and for all categories. The alternative method produces results comparable to the reference method.

#### 3.1.4.5. Comments on tests performed after 72 hours of storage

The LX broths were tested using the VIDAS LDUO TEST, immediately after incubation, then stored for 3 days at 2°C - 8°C and retested. In addition, LX broth was isolated on selective agar and confirmation tests were performed.

Some discordances between the two results appeared during the VIDAS LDUO test performed using LX broth stored for 72 hours at 2°C – 8°C:

- 7 samples: L11 (ice cream), H14 (residues), I19 (beefsteak), K6 (porc ribs), T15 (tomato burger), V2 (catalan poellee), V16 (tomato burger, presented a discordance between the specific test result (positive DLIS test result with identification of a *Listeria* strain other than *L. monocytogenes)* and the identification result (positive DLMO test result with identification of a *Listeria* strain other than *L. monocytogenes*). For the response "*Listeria monocytogenes*", they are still negative agreements, but they are considered as false positive results.

During these extension, one discordance between the two results appeared during the VIDAS LDUO test performed using LX broth stored for 72 hours at 2°C – 8°C:

- 1 sample: 1977520 (Goat cheese with raw milk) gave a false positive result with the initial test and became concordant negative result following storage of the LX broth at 2°C - 8°C.

The results of the VIDAS LDUO tests performed on the LX broths stored for 72 hours at 2°C - 8°C are therefore globally equivalent to those obtained when the VIDAS LDUO test is carried out directly after incubation.

Table 20 shows the difference between negative deviations and positive deviations and the acceptability limits.

*Table 20: acceptability limits*

| Category | Type | TND | PD | (TND-PD) | Acceptability limit (AL) | Observation |
|---|---|---|---|---|---|---|
| **Meat products ❶** | a | 0 | 2 | / | / | (TND-PD) ≤ AL |
| | b | 1 | 0 | | | |
| | c | 0 | 3 | | | |
| | Total | 1 | 5 | -4 | 3 | |
| **Dairy products ❷** | a | 0 | 0 | / | / | |
| | b | 0 | 2 | | | |
| | c | 0 | 2 | | | |
| | Total | 0 | 4 | -4 | 3 | |
| **Seafood products ❸** | a | 0 | 3 | / | / | |
| | b | 0 | 2 | | | |
| | c | 0 | 0 | | | |
| | Total | 0 | 5 | -5 | 3 | |
| **Vegetal products ❹** | a | 3 | 2 | / | / | |
| | b | 0 | 1 | | | |
| | c | 0 | 1 | | | |
| | Total | 3 | 4 | -1 | 3 | |
| **Composite foods ❺** | a | 1 | 3 | / | / | |
| | b | 1 | 2 | | | |
| | c | 0 | 0 | | | |
| | Total | 2 | 5 | -3 | 3 | |
| **Environmental samples ❻** | a | 0 | 0 | / | / | |
| | b | 1 | 0 | | | |
| | c | 0 | 1 | | | |
| | Total | 1 | 1 | 0 | 3 | |
| **Dairy products excluding raw milk (125g) ❼** | a | 1 | 1 | / | / | |
| | b | 1 | 2 | | | |
| | c | 0 | 4 | | | |
| | Total | 2 | 7 | -5 | 3 | |
| **Powder Infant Formula and cereals (125g) ❽** | a | 1 | 2 | / | / | |
| | b | 1 | 4 | | | |
| | c | 1 | 6 | | | |
| | Total | 3 | 12 | -9 | 3 | |
| ***All categories*** | ***Total*** | **12** | **43** | ***-31*** | ***7*** | |

The acceptability limits are not modified for the response "*Listeria monocytogenes*".
The alternative method produces results comparable to the reference method after storage of the broths for 3 days at 5±3°C.

### 3.1.5. Conclusion of the sensitivity study

The statistical tests of the EN ISO 16140-2/A1 (2024) standard conclude that the alternative method produces comparable results to the reference method.

However, the sensitivity results showed that the alternative method broth allows a better recovery of *Listeria* spp (including *Listeria monocytogenes*) than the reference method broth, the difference of the deviations being clearly in favor of the alternative method.

## 3.2. Relative detection level study

### 3.2.1. Matrices used

Various "food matrix-strain" pairs were studied in parallel using the reference method and the VIDAS LDUO method, for the categories in question (cf. Table 21).

*Table 21: pairs matrix-strain for each category*

| Category | Couple matrix strain | Origin of the strain | Step of the validation |
|---|---|---|---|
| ❶ **Meat products** | Rillettes / *L. welshimeri* | Minced meat | Initial validation study according to ISO 16140:2003 standard |
| ❷ **Dairy products** | Raw milk / *L. monocytogenes* 1/2b | Raw milk cheese | |
| | Raw milk / *L. innocua* | Raw milk cheese | |
| ❸ **Seafood products** | Smoked salmon / *L. monocytogenes* 1/2a | Smoked salmon offcuts | |
| ❹ **Vegetal products** | Red cabbage / *L. monocytogenes* 4b | Salad | |
| ❻ **Environmental samples** | Process water / *L. monocytogenes* 1/2c | Surface sample | |
| ❺ **Composite foods** | Pastry cream / *L. seeligeri* | Pastry cream filled cake | 3rd renewal study according to ISO 16140-2:2016 standard |
| ❼ **Dairy products (except raw milk) 125g** | Cottage cheese with raw milk / *Listeria ivanovii* GQD028 | Environment dairy industry | Extension Microsept 2021 |
| ❽ **Powder infant formula and cereals 125g** | Infant milk powder with probiotics / *Listeria monocytogenes 1/2b* JAR249 | Pasteurized milk cheese | Extension Microsept 2021 |

For categories ❶, ❷, ❸, ❹, ❺, ❻, ❼ the total flora of the matrix was determined.
For the category ❽, an enumeration of probiotics was carried out according to ISO 15214.
The results are presented in Appendix E.

### 3.2.2. Contamination protocol

- Protocol for categories ❶, ❷, ❸, ❹ and ❻ (previous validation)

At least four contamination levels, including the negative control, were performed. Each of the "matrix – strain – level" combinations was replicated six times using the VIDAS LDUO alternative method and the ISO 11290-1/A1 reference method.

As the first enrichment stage is not common, twelve 25-g bags of food products were made up, diluted to 1/10 in the appropriate diluent, then individually contaminated using a bacterial suspension with the determined titer. Each contaminant suspension was enumerated on 30 plates of TSAYE agar.

- Protocol for the category ❺ (assays 2017)

Three levels of contamination were prepared consisting of a negative control level, a low level, and a higher level.
The negative control level shall not produce positive results. Five replicates were tested for this level.
The low level shall be the theoretical detection level, it was contaminated at 0.7 - 1 CFU per test portion to obtain fractional recovery results. Twenty replicates were tested for this level.
The higher level shall be just above the theoretical detection level, it was contaminated at 2 - 3 CFU per test portion. Five replicates were tested for this level.
The pastry cream was contaminated using the seeding protocol. Bulk contaminations were performed on the matrix for the different levels of contamination, then the matrix was stored at 5±3°C for two days before analysis. Samples were then analyzed by the reference and the alternative method.

- Protocol for categories ❼ & ❽ (assays 2021)

Three levels of contamination were prepared consisting of a negative control level, a low level, and a higher level.
The negative control level shall not produce positive results. Five replicates were tested for this level.
The low level shall be the theoretical detection level, it was contaminated for ❼ category at 1.2 CFU and at 1.0 for ❽ category per test portion to obtain fractional recovery results. Twenty replicates were tested for this level.
The higher level shall be just above the theoretical detection level, it was contaminated for ❼ category at 3.3 CFU and at 2.0 for ❽ category per test portion. Five replicates were tested for this level.

For the category ❼**,** the cottage cheese with raw milk was contaminated using the seeding protocol. Bulk contaminations were performed on the matrix for the different levels of contamination, then the matrix was stored at 5±3°C for two days before analysis. Samples were then analyzed by the reference and the alternative method.

For the category ❽**,** the infant milk powder with probiotics was contaminated using the spiking protocol. The strain of *Listeria monocytogenes* used was stressed with heat treatment. Each initial suspension was then contaminated with this stressed and calibrated strain.

### 3.2.3. Results

The detailed results tables are set out in Appendices E1, E2 and E3.
The RLOD is defined as the ratio of the LODs of the alternative method and the reference method: RLOD= $LOD_{alt}$ / $LOD_{ref}$.

The RLODs calculations were performed according to the standard ISO 16140-2:/A1 (2024) using the Excel spreadsheet available for download at http://standards.iso.org/iso/16140, with unknown concentrations. Values of the RLODs are set out in Table 22.

*Table 22: RLODs values for all categories (RLOD: the estimated relative level of detection value, RLODU: the upper limit of the 95% confidence interval for RLOD, RLODL: the lower limit of the 95% confidence interval for RLOD, b=ln(RLOD): logarithm of the RLOD value, sd(b): standard deviation of b, z-Test statistic: absolute value of the test statistic of the z-Test with the null hypothesis H0: b=0, p-value: p-value of the z-Test)*

| Matrix/strain pairs | RLOD | RLODL | RLODU | b=ln(RLOD) | sd(b) | z-Test statistic | p-value | AL |
|---|---|---|---|---|---|---|---|---|
| ❶ **Rillettes /** ***L. welshimeri*** | 0.911 | 0.420 | 1.977 | -0.093 | 0.387 | 0.240 | 1.190 | **2.5** |
| ❷ **Raw milk /** ***L. monocytogenes* 1/2b** | 1.732 | 0.590 | 5.086 | 0.549 | 0.539 | 1.020 | 0.308 | **2.5** |
| ❷ **Raw milk /** ***L. innocua*** | 1.000 | 0.370 | 2.705 | 0.000 | 0.498 | 0.000 | 1.000 | **2.5** |
| ❸ **Smoked salmon /** ***L. monocytogenes* 1/2a** | 1.000 | 0.336 | 2.976 | 0.000 | 0.545 | 0.000 | 1.000 | **2.5** |
| ❹ **Red cabbage /** ***L. monocytogenes* 4b** | 0.619 | 0.276 | 1.388 | -0.480 | 0.404 | 1.189 | 1.765 | **2.5** |
| ❺ **Pastry cream /** ***L. seeligeri*** | 0.868 | 0.355 | 2.123 | -0.142 | 0.447 | 0.316 | 1.248 | **2.5** |
| ❻ **Process water /** ***L. monocytogenes* 1/2c** | 1.997 | 0.681 | 5.860 | 0.692 | 0.538 | 1.286 | 0.199 | **2.5** |
| ❼ **Cottage cheese with raw milk /** ***Listeria ivanovii* GQD028** | 1.146 | 0.498 | 2.636 | 0.136 | 0.417 | 0.327 | 0.744 | **2.5** |
| ❽ **Infant milk powder with probiotics /** ***L. monocytogenes 1/2b* JAR249** | 1.146 | 0.498 | 2.636 | 0.136 | 0.417 | 0.327 | 0.744 | **2.5** |
| **Combined** | **0.989** | **0.757** | **1.292** | **-0.011** | **0.134** | **0.083** | **1.066** | **2.5** |

The $LOD_{50}$ calculations according to Wilrich & Wilrich POD-LOD calculation program - version 13, are given in Table 23.

*Table 23: LOD50% for the alternative and reference method*

| Matrix | Strain | $LOD_{50\%}$ Alternative method | $LOD_{50\%}$ Reference method |
|---|---|---|---|
| ❶ **Rillettes (25g)** | *L. welshimeri* | 0.534 | 0.583 |
| ❷ **Raw milk (25g)** | *L. monocytogenes* 1/2b | 0.482 | 0.374 |
| ❷ **Raw milk (25g)** | *L. innocua* | 1.594 | 1.637 |
| ❸ **Smoked salmon (25g)** | *L. monocytogenes* 1/2a | 0.682 | 0.682 |
| ❹ **Red cabbage (25g)** | *L. monocytogenes* 4b | 0.406 | 0.638 |
| ❺ **Process water (25g)** | *L. monocytogenes* 1/2c | 0.765 | 0.522 |
| ❻ **Pastry cream (25g)** | *L. seeligeri* | 0.657 | 0.739 |
| ❼ **Cottage cheese with raw milk (125g)** | *L. ivanovii* GQD028 | 0.836 | 0.745 |
| ❽ **Infant milk powder with probiotics (125g)** | *L. monocytogenes 1/2b* JAR249 | 0.667 | 0.596 |
| **Combined results (CFU/25g) - ❶❷❸❹❺❻** | | **0.682** | **0.698** |
| **Combined results (CFU/125g) - ❼❽** | | **0.748** | **0.667** |

### 3.2.4. Interpretation and conclusion

The RLODs values are below the acceptability limit set at 2.5, meaning that, as stated in ISO 16140-2/A1 (2024), the maximum increase in LOD of the alternative versus the reference method is not considered as relevant in consideration of the fitness for purpose of the method.
In conclusion, alternative and reference methods show similar LODs values for the detection of *Listeria* spp and of *Listeria monocytogenes* in the categories tested.

## 3.3. Inclusivity and exclusivity study

The inclusivity and exclusivity of the method are defined by analyzing, respectively, 50 positive strains and 30 negative strains.
As the VIDAS LDUO method provides a simultaneous response for both *L. monocytogenes* and *Listeria spp*., 50 *L. monocytogenes* strains and 30 *Listeria spp*. strains (other than *L. monocytogenes*) were tested. Thirty-one strains not belonging to the *Listeria* genus were also tested.

### 3.3.1. Test protocols

- **Protocol for inclusivity**

For each of the *Listeria* strains, a culture in nutrient broth was performed for 24 hours at 30°C.
An LX broth was inoculated with approximately 10 *Listeria* per mL, then the complete enrichment protocol for the method was followed prior to performing the VIDAS LDUO test.

- **Protocol for exclusivity**

The various negative strains were cultured in nutrient broth for 24 hours at 30°C, inoculated in 10 mL of nutrient broth in order to obtain levels of around $10^5$ cells per mL, then incubated for 24 hours at 30°C prior to performing the VIDAS LDUO test.

#### 3.3.2. Results and conclusion

The results are set out in Appendix F.

The 50 *L. monocytogenes* strains were all detected using the LDUO test (positive DLMO response).
The 30 *Listeria* strains other than *Listeria monocytogenes* were also detected using the LDUO test (positive DLIS response).
No cross-reactions were obtained with the 31 non-*Listeria* strains.

### 3.4. Practicability

The practicability of the alternative method was informed according to the criteria defined by the Technical Committee.

1. Storage conditions, shelf-life and modalities of utilization after first use

The kits are packaged in 60-test kits containing:
- the LDUO strips, made of polypropylene, consisting of 10 wells covered with aluminum foil,
- the LDUO SPRs, in aluminum pouches containing 30 units, with a desiccant,
- the vial of LDUO S1 standard (*Listeria monocytogenes*) (6 mL),
- the vial of LDUO S2 standard (*Listeria*) (6 mL),
- the vials of LDUO C1 and C3 positive controls (*Listeria monocytogenes* and *Listeria*) (6 mL),
- the vial of C2 negative control (6 mL).

The test storage temperature is 2-8°C.
The shelf-life of tests is indicated on the kits.
Each reagent should be stored between +2°C and +8°C.

2. Time-to-result

Negative results are obtained in two days.
Positive results are obtained in:
- three to four days using a confirmation by streaking on a chromogenic agar media,
- four to five days using a API *Listeria* gallery without purification,
- up to ten days using the tests of the reference method.

3. Common step with the reference method

The alternative method has no common step with the reference method.

## 3.5. Conclusion

The comparative study of the methods was performed according to the EN ISO 16140-2/A1 (2024) standard.

- **Sensitivity study**

The performance of the VIDAS *Listeria* Duo (LDUO) method was compared to that of the EN ISO 11290-1:2017 reference method by analyzing 694 samples for *Listeria* spp test and 715 samples for *Listeria monocytogenes* test divided into eight product categories.

For the response "*Listeria* spp", the sensitivity of the alternative method was 93.4% and the sensitivity of the reference method was 87.2%.
For the response "*Listeria monocytogenes*", the sensitivity of the alternative method was 95.8% and the sensitivity of the reference method was 84.9%.

The observed values (TND – PD) were below to the acceptability limit for each category and for all categories after the initial test and after three days of conservation at 5±3°C.

Statistically, the alternative method produces results comparable to that of the reference method. The difference of the deviations is however clearly in favor of the alternative method.

- **Relative level of detection study**

The relative detection level of the VIDAS LDUO method and reference method was evaluated by artificially contaminating eight different products.
The relative level of detection of the alternative method was between 0.619 and 1.997 cells per test portion.

The VIDAS LDUO method and the reference method showed similar LODs values for the detection of *Listeria* spp and *Listeria monocytogenes* in the categories tested.

- **Inclusivity and exclusivity study**

The specificity of the method is satisfactory, as all *Listeria monocytogenes* and *Listeria* spp strains were detected (inclusivity) and no cross-reactions were observed among non-targeted tested strains when the complete protocol for the alternative method was implemented (exclusivity).

# 4. Interlaboratory study

## 4.1. Study organization

- **Number of participating laboratories**: seventeen collaborators received samples.

- **Matrix used:** pasteurized milk was used as matrix for the interlaboratory study.

- **Strain used:** the strain used for contamination was a strain of *Listeria monocytogenes* (coded L37 by the Expert Laboratory) isolated from dairy products.

- **Number of samples per laboratory:** 24 samples per collaborator were prepared for the reference method and 24 samples for the alternative method, broken down into 3 levels, with 8 samples per level. One additional sample, not artificially contaminated, was provided to the collaborators for the enumeration of the microorganisms of the matrix.

## 4.2. Control of the experimental parameters

### 4.2.1. Contamination level

The contamination rates obtained in the matrix are set out in the Table below:

*Table 24: theoretical and actual contamination levels*

| Level | Samples | Theoretical target level (CFU / 25 mL) | Real level (CFU / 25 mL) |
|---|---|---|---|
| **$L_0$: Level 0** | 3-4-9-10-15-16-21-22 | 0 | 0 |
| **$L_1$: Low level** | 1-2-7-8 -13-14-19-20 | 3 | 3.2 |
| **$L_2$: High level** | 5-6-11-12-17-18-23-24 | 30 | 33.0 |

### 4.2.2. Shipping conditions (temperature and state of the samples)

The temperatures of the samples at reception for all the collaborators are given in Table 25.

*Table 25: temperature and shipping conditions*

| Collaborator | Temperatures at reception | | Comments |
|---|---|---|---|
| | Given by the collaborator | Indicated by the probe | |
| **A** | 3.0°C | 2.7°C | / |
| **B** | 2.7°C | 2.7°C | / |
| **C** | 4.0°C | 3.2°C | / |
| **D** | 3.8°C | / | Analyses not realized |
| **E** | 4.0°C | 2.2°C | / |
| **F** | 4.1°C | 2.7°C | / |
| **G** | 4.0°C | 2.7°C | / |
| **H** | 4.3°C | 3.7°C | / |
| **I** | / | / | Delivery at D+2 |
| **J** | 5.7°C | 2.2°C | / |
| **K** | 4.0°C | 2.7°C | / |
| **L** | 4.5°C | 5.7°C | / |
| **M** | 4.6°C | 4.7°C | / |
| **N** | 5.7°C | 3.2°C | / |
| **O** | 4.0°C | 2.7°C | / |
| **P** | 6.4°C | 3.7°C | / |
| **Q** | 5.3°C | 3.9°C | / |

As a result of transport conditions, 15 laboratories carried out the tests.

Two laboratories were not included in the final list of laboratories:

- collaborator I received the samples after the deadline,
- for the collaborator D, the VIDAS system had not been updated.

## 4.3. Test results

The post-confirmation positive results obtained by the collaborators and by the expert laboratory are set out in the following tables and in appendix G. The results of the enumeration of the microorganisms of the matrix are also provided for each lab in this appendix. For all collaborators, results ranged between <1 CFU/mL and 20 CFU/mL.

### 4.3.1. Expert laboratory results

The results of the expert laboratory are summarized in Table 26.

*Table 26: positive results obtained by expert laboratory by both methods*

| Contamination level | Alternative method | Reference method |
|---|---|---|
| $L_0$ | 0/8 | 0/8 |
| $L_1$ | 7/8 | 7/8 |
| $L_2$ | 8/8 | 8/8 |

### 4.3.2. Collaborators results

*Table 27: positive results obtained with the reference method*

| Collaborators | Contamination levels | | |
|---|---|---|---|
| | $L_0$ | $L_1$ | $L_2$ |
| Collaborator A | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator B | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator C | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator E | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator F | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator G | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator H | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator J | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator K | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator L | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator M | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator N | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator O | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator P | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator Q | 0 / 8 | 8 / 8 | 8 / 8 |
| Total | 0 / 120 | 115 / 120 | 120 / 120 |

*Table 28: positive results obtained with the alternative method*

| Collaborators | Contamination levels | | |
|---|---|---|---|
| | $L_0$ | $L_1$ | $L_2$ |
| Collaborator A | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator B | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator C | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator E | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator F | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator G | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator H | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator J | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator K | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator L | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator M | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator N | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator O | 0 / 8 | 7 / 8 | 8 / 8 |
| Collaborator P | 0 / 8 | 8 / 8 | 8 / 8 |
| Collaborator Q | 0 / 8 | 8 / 8 | 8 / 8 |
| Total | 0 / 120 | 116 / 120 | 120 / 120 |

The results using the reference method and alternative method are concordant for six laboratories: B, F, G, K, P and Q.

For collaborator F, one of the non-contaminated samples was found to be positive using the VIDAS LDUO test at the threshold value (VT = 0.10) for the DLIS response. The laboratory staff isolated the LX broth and did not find any colonies on selective agars.

Collaborators A, C, J, L and N all found one sample with a low contamination level that was negative using the reference method.

Likewise, collaborators E, H, M and O all found one sample with a low contamination rate that was negative using the alternative method for the DLMO and DLIS responses. It must be noted however that the collaborators E and M applied the confirmation protocol from the LX broth for this negative sample of the low contamination level and that it was found negative.

These differences between the two methods may happen in an unpaired study. Two sets of eight distinct samples had been prepared for the low contamination level. One sample was used for only one of the methods (alternative or reference), as the primary enrichment broths were different.
It is likely that the samples found to be negative were not contaminated.

#### 4.3.3. Results of the collaborators used for the statistical analysis

The results of the 15 collaborators having realized the analyses are retained for the statistical interpretation.

### 4.4. Calculations and interpretation

#### 4.4.1. Calculation of the specificity

The percentage specificity (SP) of the reference method and the alternative method is calculated, using the data after confirmation, based on the results of level $L_0$ as follows:

- Specificity of the reference method: $SP_{ref} = \left[1 - \left(\frac{P_0}{N-}\right)\right] \times 100\%$
- Specificity of the alternative method: $SP_{alt} = \left[1 - \left(\frac{CP_0}{N-}\right)\right] \times 100\%$

where:
$N$- is the number of all $L_0$ tests,
$P_0$ is the total number of false-positive results obtained with the blank samples before confirmation,
$CP_0$ is the total number of false-positive results obtained with blank samples.

The results are the following:

- $SP_{ref}$ = 100%
- $SP_{alt}$ = 100%

### 4.4.2. Summary of the results

A summary of results obtained at level 1 ($L_1$), for which fractional positive results were obtained, is set out in Table 29.

*Table 29: tests results for the two methods at level $L_1$ (PA: positive agreement, NA: negative agreement, ND: negative deviation, PD: positive deviation, PP: presumed positive before confirmation, *: for the collaborator F only with the DLIS response)*

| Level | Alternative method | Reference method | | |
|---|---|---|---|---|
| | | Reference method positive (R+) | Reference method negative (R-) | Total |
| $L_1$ | Alternative method positive (A+) | PA = 111 | PD = 5 | 116 |
| | Alternative method negative (A-) | TND = 4 | NA = 0 | 4 |
| | Total | 115 | 5 | 120 |

The cause of the positive and negative deviations is explained in § 4.3.2 (unpaired study).

### 4.4.3. Calculation of the sensitivity of the methods, relative trueness and false positive ratio

The sensitivity of the two methods, the relative trueness and the false positive ratio parameters are calculated with the data of the Table 26, according to the formulas below:

- Sensitivity for the alternative method: $SE_{alt} = \frac{(PA+PD)}{(PA+TND+PD)} \times 100\%$
- Sensitivity for the reference method: $SE_{ref} = \frac{(PA+TND)}{(PA+TND+PD)} \times 100\%$
- Relative trueness: $RT = \frac{(PA+TNA)}{N} \times 100\%$
- False positive ratio for the alternative method: $FP = \frac{FP}{TNA} \times 100\%$

where N is the total number of samples (TNA + PA + PD + TND) and FP is false positive results.

The results are the following:

- $SE_{alt}$ = 96.7%
- $SE_{ref}$ = 95.8%
- RT = 92.5%
- FP = 0%

### 4.4.4. Determination of the acceptability limit and conclusion

The difference between (TND – PD) for the level where fractional recovery was obtained ($L_1$) is calculated. The observed value found for (TND – PD) shall not be higher than the acceptability limit (AL). The AL is defined as [$(TND - PD)_{max}$] and calculated per level where fractional recovery was obtained as described below using the following three parameters:

- $(p+)_{ref} = \frac{P_x}{N_x}$, where

Px = number of samples with a positive result obtained with the reference method at level x, ($L_1$ or $L_2$) for all laboratories;
Nx = number of samples tested at level x ($L_1$ or $L_2$) with the reference method by all laboratories.

- $(p+)_{alt} = \frac{CP_x}{N_x}$, where

CPx = number of samples with a confirmed positive result obtained with the alternative method at level x ($L_1$ or $L_2$) for all laboratories;
Nx = number of samples tested at level x ($L_1$ or $L_2$) with the alternative method by all laboratories.

- $(TND - PD)_{max} = \sqrt{3N_x \times ((p+)_{ref} + (p+)_{alt} - 2((p+)_{ref} \times (p+)_{alt}))}$, where

Nx = the total number of samples tested for level x (L1 or L2) by all laboratories.
The AL is not met when the observed value is higher than the A*L.* When the AL is not met, investigations should be made (e.g. root cause analysis) in order to provide an explanation of the observed results.

Based on the AL and the additional information, it is decided whether the alternative method is regarded as not fit for purpose. The reasons for acceptance of the alternative method in case the AL is not met shall be stated in the study report.

In this study, fractional positive results are observed at level $L_1$ only. The different parameters obtained by the calculation are detailed in the Table below:

*Table 30: values obtained for the determination of the acceptability limit*

| Parameter | Value |
|---|---|
| $(p+)_{ref}$ | 0.9583 |
| $(p+)_{alt}$ | 0.9667 |
| Acceptability limit: AL = $(TND-PD)_{max}$ | 5.1 |
| Observed value: TND-PD | -1 |

The value (TND-PD) is inferior to the acceptability limit, so the requirements of the standard ISO 16140-2/A1 (2024) are fulfilled.

### 4.4.5. Determination of the relative level of detection

This evaluation is performed according to Annex F of ISO 16140-2/A1 (2024) and using the Excel spreadsheet as described in this standard.
As there is limited experience with the interpretation of this approach, the results are used only for information. Results are shown in the Table below:

*Table 31 : values obtained for the determination of the relative level of detection (RLOD: the estimated relative level of detection value, RLODU: the upper limit of the 95% confidence interval for RLOD, RLODL: the lower limit of the 95% confidence interval for RLOD, b=ln(RLOD): logarithm of the RLOD value, sd(b): standard deviation of b, z-Test statistic: absolute value of the test statistic of the z-Test with the null hypothesis H0: b=0, p-value: p-value of the z-Test)*

| Category | RLOD | RLODL | RLODU | b=ln(RLOD) | sd(b) | z-Test statistic | p-value |
|---|---|---|---|---|---|---|---|
| ILS | 0,934 | 0,627 | 1,393 | -0,068 | 0,200 | 0,340 | 1,266 |

## 4.5. Conclusion

The data and their interpretation meet the requirements of the standard EN ISO 16140-2/a1 (2024). The performance of the alternative method and the reference method can be considered as equivalent.

# 5. General conclusion

- **Method comparison study**

The performance of the VIDAS LDUO test is comparable to that of the standard ISO 11290-1 : 2017. This study concerned  samples of eight categories of products.

Values obtained for the criteria of the sensitivity study are the following, depending on the incubation times and the protocol of confirmation.
For *Listeria* spp test:

- sensitivity of the alternative method : 93.4%
- sensitivity of the reference method : 87.2%
- relative trueness: 89.5%
- false positive ratio: from 0.6%
- false negative ratio: from 0.5%

For *Listeria monocytogenes* test:

- sensitivity of the alternative method : 95.8%
- sensitivity of the reference method : 84.9%
- relative trueness: 92.3%
- false positive ratio: from 0.5%
- false negative ratio: from 1.4%

A number of discordant results were observed possibly due to the unpaired study design.

The relative level of detection of the alternative method and the reference method was evaluated for all categories. The results are comparable between the two methods. It varies between 0.619 and 1.997 CFU per test portion for the alternative method for all categories.

The specificity of the method is satisfactory.

The study of the practicability of the alternative method shows a simple and easy-to-use method and significant time savings compared to the reference method.

- **Interlaboratory study**

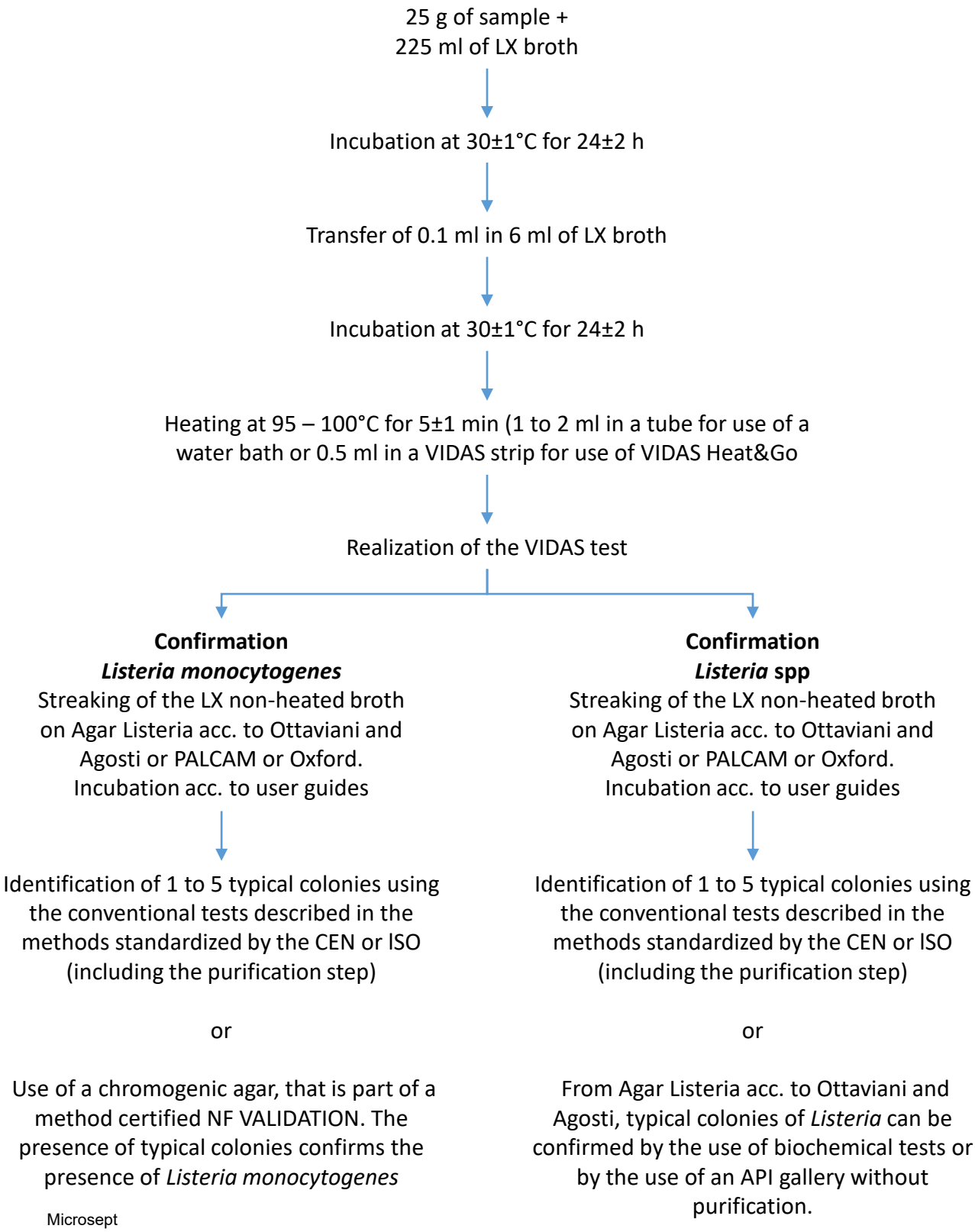
Concerning the interlaboratory study, the results obtained for the selected laboratories showed that the performance of the alternative method and the reference method can be considered as equivalent.

Le Lion d'Angers, February 10, 2026
Guillaume MESNARD
Method Validation Supervisor

# APPENDICES

**APPENDIX A**
**VIDAS LISTERIA DUO – General protocol**

Diagram of the procedure as described in the user guide



**APPENDIX A**
**VIDAS LISTERIA DUO – New protocols**

125 g of sample +
1125 ml of pre-warmed LX broth

Incubation at 30±1°C for 22 at 26 h for Dairy products excluding raw milk

Incubation at 30±1°C for 26 at 30 h for Infant formula and cereals

Transfer of 0.1 ml in 6 ml of LX broth

Incubation at 30±1°C for 22 at 26 h

Aliquot of LX broth and heat for 15 min ± 1 min at 95-100°C.

Transfer 0,5 ml at heated LX broth in VIDAS LIS test

**Confirmation**
***Listeria monocytogenes***
Streaking of the LX non-heated broth on Agar Listeria acc. to Ottaviani and Agosti or PALCAM or Oxford.
Incubation acc. to user guides

Identification of 1 to 5 typical colonies using the conventional tests described in the methods standardized by the CEN or ISO (including the purification step)

or

Use of a chromogenic agar, that is part of a method certified NF VALIDATION. The presence of typical colonies confirms the presence of *Listeria monocytogenes*

**Confirmation**
***Listeria* spp**
Streaking of the LX non-heated broth on Agar Listeria acc. to Ottaviani and Agosti or PALCAM or Oxford.
Incubation acc. to user guides

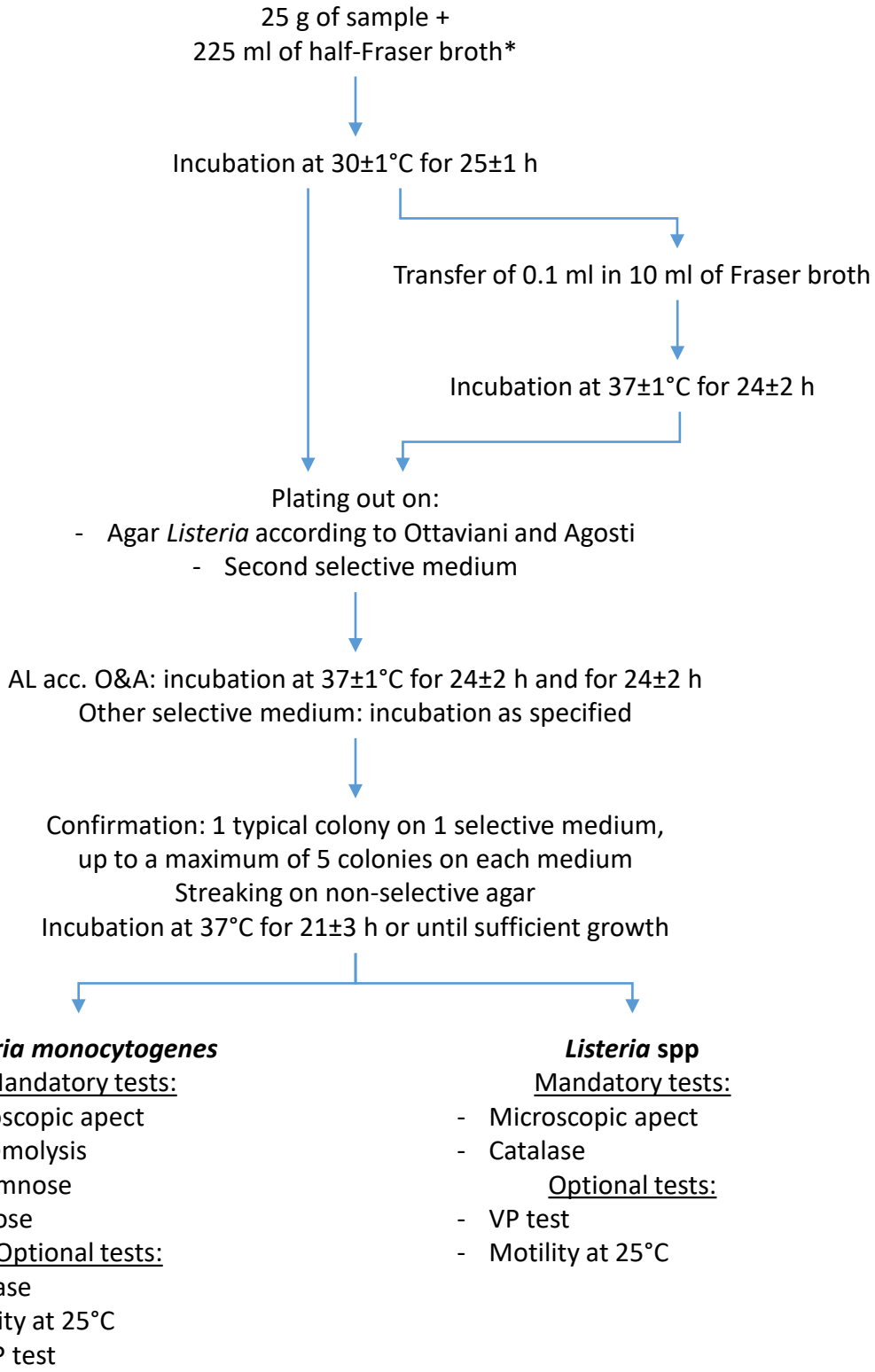
Identification of 1 to 5 typical colonies using the conventional tests described in the methods standardized by the CEN or ISO (including the purification step)

or

From Agar Listeria acc. to Ottaviani and Agosti, typical colonies of *Listeria* can be confirmed by the use of biochemical tests or by the use of an API gallery without purification.

**APPENDIX B**
**EN ISO 11290-1:2017**

Diagram of the procedure as described in the standard




* addition of alpha amylase to category C samples containing starch according ISO 6887

# APPENDIX C

# ARTIFICIAL CONTAMINATIONS

# ARTIFICIAL CONTAMINATIONS – INITIAL VALIDATION STUDY

| Code | Matrix | Artificial contamination | | | | | | Result |
|---|---|---|---|---|---|---|---|---|
| | | Strain | | | Type of stress | Evaluation of stress | CFU / 25 g | |
| | | No. | Name | Origin | | | | |
| H1 | Grated Gruyère | L64 | *L.innocua* | Époisses cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 1.0 | 16.8 | + |
| H2 | Vieux pâné cheese | L64 | *L.innocua* | Époisses cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 1.0 | 33.6 | + |
| H3 | Ossau-Iraty sheep's milk cheese | L142 | *L.seeligeri* | Cheese made with raw milk | 45 mins. at 55°C, then 30 mins. at -80°C | 3.9 | 28.0 | - |
| H4 | Brie cheese | L142 | *L.seeligeri* | Cheese made with raw milk | 45 mins. at 55°C, then 30 mins. at -80°C | 3.9 | 56.0 | - |
| H5 | Reblochon cheese | L64 | *L.innocua* | Époisses cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 1.0 | 50.4 | + |
| H6 | Reblochon cheese | L142 | *L.seeligeri* | Cheese made with raw milk | 45 mins. at 55°C, then 30 mins. at -80°C | 3.9 | 84.0 | - |
| H7 | Water from final rinsing | L115 | *L.seeligeri* | Standing water | 45 mins. at 55°C, then 30 mins. at -80°C | 1.6 | 8.0 | + |
| H8 | Rinsing bath | L115 | *L.seeligeri* | Standing water | 45 mins. at 55°C, then 30 mins. at -80°C | 1.6 | 16.0 | + |
| H9 | Washing basin | L115 | *L.seeligeri* | Standing water | 45 mins. at 55°C, then 30 mins. at -80°C | 1.6 | 24.0 | - |
| H10 | Residual water | L132 | *L.innocua* | Cheese counter chopping board | 45 mins. at 55°C, then 30 mins. at -80°C | 0.2 | 0.1 | - |
| H11 | Doser rinsing water | L132 | *L.innocua* | Cheese counter chopping board | 45 mins. at 55°C, then 30 mins. at -80°C | 0.2 | 0.1 | - |
| H12 | Standing water from storage room | L132 | *L.innocua* | Cheese counter chopping board | 45 mins. at 55°C, then 30 mins. at -80°C | 0.2 | 0.2 | - |
| H13 | Water from light rinsing | L115<br>L132 | *L.seeligeri*<br>*L.innocua* | Standing water<br>Cheese counter chopping board | 45 mins. at 55°C, then 30 mins. at -80°C<br>45 mins. at 55°C, then 30 mins. at -80°C | 1.6<br>0.2 | 4.0<br>0.0 | + |
| H14 | Residue from machine filter | L115 | *L.seeligeri* | Standing water | 45 mins. at 55°C, then 30 mins. at -80°C | 1.6 | 16.0 | + |
| H15 | Ground surface in storage room | L115 | *L.seeligeri* | Standing water | 45 mins. at 55°C, then 30 mins. at -80°C | 1.6 | 24.0 | + |
| H16 | Surface of dirty service lift | L132 | *L.innocua* | Cheese counter chopping board | 45 mins. at 55°C, then 30 mins. at -80°C | 0.2 | 0.1 | + |
| I14 | Rabbit terrine | L77 | *L.innocua* | Toulouse sausage | 45 mins. at 55°C, then 30 mins. at -80°C | 1.1 | 1.2 | - |
| I15 | Farmhouse liver pâté | L77 | *L.innocua* | Toulouse sausage | 45 mins. at 55°C, then 30 mins. at -80°C | 1.1 | 0.8 | - |
| I16 | Country pâté | L87 | *L.welshimeri* | Minced beef burger | 45 mins. at 55°C, then 30 mins. at -80°C | ND | <1 | + |
| I17 | Duck pâté | L87 | *L.welshimeri* | Minced beef burger | 45 mins. at 55°C, then 30 mins. at -80°C | ND | <1 | - |
| I18 | Chicken pie | L77 | *L.innocua* | Toulouse sausage | 45 mins. at 55°C, then 30 mins. at -80°C | 1.1 | 1.6 | - |
| I19 | Beef steak | L87 | *L.welshimeri* | Minced beef burger | 45 mins. at 55°C, then 30 mins. at -80°C | ND | <1 | + |
| I20 | Ham roulade | L87 | *L.welshimeri* | Minced beef burger | 45 mins. at 55°C, then 30 mins. at -80°C | ND | <1 | - |
| I22 | Brie cheese | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 2.4 | 34.5 | - |
| I23 | Powdered milk | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 2.4 | 27.6 | - |
| I24 | Powdered milk | L37 | *L.monocytogenes* | Maroilles cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 0.5 | 0.7 | - |
| I25 | Powdered milk | L37<br>L72 | *L.monocytogenes*<br>*L.innocua* | Maroilles cheese<br>Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C<br>45 mins. at 55°C, then 30 mins. at -80°C | 0.5<br>2.4 | 0.5<br>20.7 | - |
| I26 | Raw milk | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 2.4 | 34.5 | - |
| I27 | Raw milk | L37 | *L.monocytogenes* | Maroilles cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 0.5 | 0.8 | - |
| I28 | Raw milk | L37<br>L72 | *L.monocytogenes*<br>*L.innocua* | Maroilles cheese<br>Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C<br>45 mins. at 55°C, then 30 mins. at -80°C | 0.5<br>2.4 | 0.5<br>20.7 | - |
| J1 | Surface of stainless steel table in pastries facility | L28<br>L132 | *L.monocytogenes*<br>*L.innocua* | Surface in facility<br>Cheese counter chopping board | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C<br>48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 1.1<br>0.2 | 0.2<br>0.4 | -<br>+ |
| J2 | Surface of slicer in butcher's facility | L28<br>L132 | *L.monocytogenes*<br>*L.innocua* | Surface in facility<br>Cheese counter chopping board | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C<br>48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 1.1<br>0.2 | 0.4<br>0.8 | -<br>+ |
| J3 | Cheese counter board surface | L28<br>L132 | *L.monocytogenes*<br>*L.innocua* | Surface in facility<br>Cheese counter chopping board | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C<br>48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 1.1<br>0.2 | 0.6<br>1.2 | + |
| J4 | Cheese counter knife | L132 | *L.innocua* | Cheese counter chopping board | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 0.2 | 0.8 | + |
| J5 | Saw blade from butcher's stand | L132 | *L.innocua* | Cheese counter chopping board | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 0.2 | 1.2 | + |
| J6 | Surface of freezer in pastries facility | L132 | *L.innocua* | Cheese counter chopping board | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 0.2 | 1.6 | + |
| J8 | Ground surface in butcher's facility | L115 | *L.seeligeri* | Standing water | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 1.0 | 0.4 | - |
| J9 | Surface of butcher's cutting table | L115<br>L28 | *L.seeligeri*<br>*L.monocytogenes* | Standing water<br>Surface in facility | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C<br>48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 1.0<br>1.1 | 0.3<br>0.7 | - |

| Code | Matrix | Artificial contamination | | | | | | Result |
|---|---|---|---|---|---|---|---|---|
| | | Strain | | | Type of stress | Evaluation of stress | CFU / 25 g | |
| | | No. | Name | Origin | | | | |
| J14 | Raw milk | L37 | *L.monocytogenes* | Maroilles cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 0.6 | 3.4 | + |
| | | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 5.0 | |
| J15 | Raw milk | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 7.5 | + |
| J16 | Raw milk | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 10.0 | + |
| J17 | Raw milk | L37 | *L.monocytogenes* | Maroilles cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 0.6 | 5.1 | + |
| | | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 7.5 | |
| J18 | Powdered milk | L37 | *L.monocytogenes* | Maroilles cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 0.6 | 5.1 | + |
| | | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 7.5 | |
| J19 | Powdered milk | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 7.5 | + |
| J20 | Powdered milk | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 10.0 | + |
| J21 | Chantilly cream puff | L37 | *L.monocytogenes* | Maroilles cheese | 45 mins. at 55°C, then 30 mins. at -80°C | 0.6 | 5.1 | + |
| | | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 7.5 | |
| J22 | Strawberry melba | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 10.0 | + |
| J28 | Strawberry ice cream | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 5.0 | + |
| J29 | Vanilla ice cream | L72 | *L.innocua* | Boulette d'Avesnes cheese | 45 mins. at 55°C, then 30 mins. at -80°C, then 24 hrs at 4°C | 0.6 | 7.5 | + |
| J30 | Surface of stainless steel table in butcher's facility | L115 | *L.seeligeri* | Standing water | 48 hrs at -20°C, 45 min. 55°C, then 30 mins. at -80°C | 1.0 | 0.3 | - |
| K1 | Minced pork loin | L77 | *L.innocua* | Toulouse sausage | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 0.8 | 4.1 | + |
| K2 | Chicken gizzard | L77 | *L.innocua* | Toulouse sausage | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 0.8 | 5.5 | + |
| K3 | Mortadella sausage | L77 | *L.innocua* | Toulouse sausage | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 0.8 | 6.8 | + |
| K4 | Beef | L77 | *L.innocua* | Toulouse sausage | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 0.8 | 8.2 | + |
| K5 | Ham | L87 | *L.welshimeri* | Minced beef burger | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 1.3 | 9.6 | + |
| K6 | Pork chop | L87 | *L.welshimeri* | Minced beef burger | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 1.3 | 12.0 | + |
| K7 | Jellied tongue | L87 | *L.welshimeri* | Minced beef burger | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 1.3 | 14.4 | + |
| K8 | Potjevlesch potted meat | L87 | *L.welshimeri* | Minced beef burger | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 1.3 | 16.8 | + |
| K9 | Bayonne ham | L77 | *L.innocua* | Toulouse sausage | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 0.8 | 6.8 | + |
| | | L87 | *L.welshimeri* | Minced beef burger | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 1.3 | 12.0 | |
| K10 | Meat pâté | L77 | *L.innocua* | Toulouse sausage | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 0.8 | 5.5 | + |
| | | L87 | *L.welshimeri* | Minced beef burger | 30 mins at 55°C, 20 mins at -80°C, 5 mins at 45°C | 1.3 | 9.6 | |
| L1 | Tuscan minced pork | L91 | *L.welshimeri* | Aoste rosette dried sausage | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 2.3 | + |
| L2 | Strasbourg sausages | L91 | *L.welshimeri* | Aoste rosette dried sausage | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 1.8 | + |
| L3 | Rillettes | L151 | *L.ivanovii* | Minced beef burger | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 0.3 | + |
| L4 | Chicken rillettes | L151 | *L.ivanovii* | Minced beef burger | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 0.6 | - |
| L5 | Camembert | L64 | *L.innocua* | Époisses cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 5.0 | + |
| L6 | Munster cheese | L111 | *L.innocua* | Munster cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 2.4 | + |
| L7 | Double-cream cheese | L64 | *L.innocua* | Époisses cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 10.0 | + |
| | | L111 | *L.innocua* | Munster cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 8.7 | |
| L8 | Leerdamer cheese | L64 | *L.innocua* | Époisses cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 10.0 | + |
| L9 | Normandy apple pie | L111 | *L.innocua* | Munster cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 8.7 | + |
| L10 | Egg custard pie | L64 | *L.innocua* | Époisses cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 15.0 | + |
| | | L111 | *L.innocua* | Munster cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 8.7 | |
| L11 | Strawberry vanilla ice cream | L64 | *L.innocua* | Époisses cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.2 | 4.5 | + |
| L12 | Raw milk | L111 | *L.innocua* | Munster cheese | 30 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 2.7 | + |
| M2 | Minced meat | L2 | *L.innocua* | Minced beef burger | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.9 | 5.7 | + |
| M5 | Rosette dried sausage | L44 | *L.monocytogenes* | Dried sausage | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.5 | 7.0 | + |
| | | L2 | *L.innocua* | Minced beef burger | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.9 | 3.8 | |

| Code | Matrix | Artificial contamination | | | | | | Result |
|---|---|---|---|---|---|---|---|---|
| | | Strain | | | Type of stress | Evaluation of stress | CFU / 25 g | |
| | | No. | Name | Origin | | | | |
| M13 | Fish fillet | L86 | *L.welshimeri* | ATCC 35897 | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.7 | 3.8 | + |
| M15 | Dogfish | L86 | *L.welshimeri* | ATCC 35897 | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.7 | 5.7 | + |
| M16 | Fillet of scabbardfish | L86 | *L.welshimeri* | ATCC 35897 | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.7 | 4.8 | + |
| M27 | Rinsing water | L44 | *L.monocytogenes* | Dried sausage | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.5 | 7.0 | + |
| | | L2 | *L.innocua* | Minced beef burger | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.9 | 3.8 | |
| M28 | Water from washing container | L44 | *L.monocytogenes* | Dried sausage | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.5 | 8.8 | + |
| | | L2 | *L.innocua* | Minced beef burger | 30 mins at 55°C, 25 mins at -80°C, 5 mins at 46°C | 0.9 | 3.8 | - |
| O10 | Residue from cutting facility stainless steel table | L149 | *L.monocytogenes* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 1.0 | 13.0 | + |
| | | L144 | *L.innocua* | Bin surface | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 0.7 | 10.0 | |
| O11 | Surface in cooling room | L149 | *L.monocytogenes* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 1.0 | 19.5 | + |
| | | L144 | *L.innocua* | Bin surface | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 0.7 | 7.5 | |
| O12 | Floor of cold packaging room | L149 | *L.monocytogenes* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 1.0 | 9.7 | + |
| | | L144 | *L.innocua* | Bin surface | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 0.7 | 5.0 | |
| O13 | Stainless steel shelf surface in cold store | L149 | *L.monocytogenes* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 1.0 | 6.5 | + |
| O14 | Residue from sink in cutting facility | L149 | *L.monocytogenes* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 1.0 | 9.7 | + |
| O15 | Residue from packaging container | L153 | *L.ivanovii* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | ND | <1 | + |
| O16 | Surface of slicer in cold meats facility | L153 | *L.ivanovii* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | ND | <1 | - |
| O17 | Surface in cold store for cheese | L153 | *L.ivanovii* | Environmental sample | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | ND | <1 | - |
| O18 | Water from rinsing container filter outlet | L144 | *L.innocua* | Bin surface | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 0.7 | 6.5 | + |
| O19 | Surface of transport trolley | L144 | *L.innocua* | Bin surface | 45 mins at 55°C, 30 mins at -80°C, 10 mins at 55°C | 0.7 | 13.0 | + |
| P15 | Stainless steel table - cold meats counter | L132 | *L.innocua* | Cheese counter chopping board | 45 mins at 55°C, 30 mins at -20°C, 10 mins at 50°C | 0.5 | ND | + |
| P16 | Sink in production area | L132 | *L.innocua* | Cheese counter chopping board | 45 mins at 55°C, 30 mins at -20°C, 10 mins at 50°C | 0.5 | ND | + |
| P17 | Swab from wall-floor join | L132 | *L.innocua* | Cheese counter chopping board | 45 mins at 55°C, 30 mins at -20°C, 10 mins at 50°C | 0.5 | ND | + |
| | | L153 | *L.ivanovii* | Environmental sample | 45 mins at 55°C, 30 mins at -20°C, 10 mins at 50°C | 0.5 | ND | |
| P18 | Surface of trolley from manufacturing area | L132 | *L.innocua* | Cheese counter chopping board | 45 mins at 55°C, 30 mins at -20°C, 10 mins at 50°C | 0.5 | ND | + |
| Q13 | Green beans | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 6.6 | + |
| Q14 | Carrots - Onions | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 13.2 | + |
| Q15 | Catalan salad mix | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 10.6 | + |
| Q16 | Soya | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 10.6 | + |
| Q17 | Spinach salad | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 6.6 | + |
| Q18 | Red cabbage | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 1.1 | 2.2 | + |
| Q19 | Salad | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 1.1 | 1.4 | - |
| Q20 | Mixture of carrots, celery, peppers | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 6.6 | + |
| | | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 1.1 | 1.4 | - |
| Q24 | Carrots & cabbage | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 10.6 | + |
| | | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 1.1 | 2.2 | - |
| Q25 | Lamb's lettuce | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 1.1 | 2.2 | + |
| Q26 | Vegetable kebabs | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.5 | 6.6 | + |
| | | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 1.1 | 1.4 | - |
| R11 | Cod fritters | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.8 | 0.2 | + |
| R12 | Cod fillet | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.8 | 0.3 | - |
| R13 | Fillet of coalfish | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.8 | 0.2 | + |
| R14 | Salmon fillet | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.8 | 0.1 | + |
| R15 | Langoustines | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.8 | 0.3 | + |

| Code | Matrix | Artificial contamination | | | | | | Result |
|---|---|---|---|---|---|---|---|---|
| | | Strain | | | Type of stress | Evaluation of stress | CFU / 25 g | |
| | | No. | Name | Origin | | | | |
| R16 | Cucumbers | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | ND | < 0.1 | - |
| R17 | Broccoli | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | ND | < 0.1 | - |
| R18 | Carrots | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | ND | < 0.1 | - |
| R19 | Lamb's lettuce | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | ND | < 0.1 | - |
| R20 | White cabbage | L47 | *L.monocytogenes* | Fried potatoes | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | ND | < 0.1 | - |
| S2 | Prawns | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 1.6 | - |
| S3 | Smoked Atlantic salmon | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 2.5 | + |
| S4 | Prawns | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 2.5 | + |
| S5 | Cod fillet | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 2.5 | + |
| S6 | Fillet of coalfish | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 1.6 | + |
| S7 | Fillet of pollock with baby vegetables | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 1.6 | + |
| S8 | Carrots | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 4.9 | + |
| S9 | Mushrooms | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 4.9 | + |
| S12 | Red cabbage | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 20.0 | + |
| S13 | Vegetable soup | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 10.0 | + |
| S14 | Celery and beetroot salad | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 20.0 | + |
| S15 | Ratatouille | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 10.0 | + |
| S16 | Potato flakes | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 10.0 | + |
| S19 | Frozen fries | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.7 | 20.0 | + |
| T3 | Broccoli and cauliflower patties | L58 | *L.monocytogenes* | Salad | 45 mins at 55°C, 30 mins at -80°C | 1.3 | 21.5 | + |
| T4 | Celery cake | L140 | *L.seeligeri* | Frozen fries | 45 mins at 55°C, 30 mins at -80°C | > 4.5 | 30.0 | + |
| T5 | Frozen mushrooms | L140 | *L.seeligeri* | Frozen fries | 45 mins at 55°C, 30 mins at -80°C | > 4.5 | ND | + |
| T6 | Mixed salad | L58 | *L.monocytogenes* | Salad | 45 mins at 55°C, 30 mins at -80°C | 1.3 | 21.5 | + |
| T8 | Smoked Atlantic salmon | L85 | *L.seeligeri* | Collection | 45 mins at 55°C, 30 mins at -80°C | > 1.3 | 0.8 | - |
| T9 | Smoked halibut | L85 | *L.seeligeri* | Collection | 45 mins at 55°C, 30 mins at -80°C | > 1.3 | 0.4 | - |
| U2 | Prawns | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C | 0.5 | 4.4 | + |
| U3 | Smoked trout | L113 | *L.innocua* | Smoked halibut | 45 mins at 55°C, 30 mins at -80°C | 0.5 | 2.7 | + |
| U9 | Pan-fried courgettes | L140 | *L.seeligeri* | Frozen fries | 45 mins at 55°C, 30 mins at -80°C | > 3 | 0.3 | + |
| U10 | Pan-fried Mediterranean vegetables | L140 | *L.seeligeri* | Frozen fries | 45 mins at 55°C, 30 mins at -80°C | > 3 | 0.4 | - |
| U11 | Pan-fried mushrooms and vegetables | L140 | *L.seeligeri* | Frozen fries | 45 mins at 55°C, 30 mins at -80°C | > 3 | 0.5 | - |
| L125-1 | Red cabbage | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C | 0.6 | 2.7 | + |
| L125-2 | Red cabbage | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C | 0.6 | 2.7 | - |
| L125-3 | Red cabbage | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C | 0.6 | 2.7 | - |
| L125-4 | Red cabbage | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C | 0.6 | 2.7 | - |
| L125-5 | Red cabbage | L125 | *L.monocytogenes* | Pan-fried vegetables | 45 mins at 55°C, 30 mins at -80°C | 0.6 | 2.7 | - |
| V3 | Pan-fried Mediterranean vegetables | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 4.2 | + |
| V4 | Pan-fried mushrooms and vegetables | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 7.2 | + |
| V5 | Pan-fried vegetables | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 4.2 | + |
| V6 | Vegetable purée | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 5.6 | + |
| V7 | Cooked carrots | L66 | *L.innocua* | Spinach | 45 mins at 55°C, 30 mins at -80°C, 5 mins at 46°C | 0.6 | 7.2 | + |

**ARTIFICIAL CONTAMINATIONS - THIRD RENEWAL STUDY**

| Category | Strain | Serovar | Code | Origin | Contamination | Contamination level | Conservation | # | Sample |
|---|---|---|---|---|---|---|---|---|---|
| Meat products | *Listeria monocytogenes* | 1/2c | DHN231 | Raw chicken leg | Seeding | 3.0 | 3 days at 5°C | 1398360 | Spiced cooked chicken wings |
| | | | | | | | 3 days at 5°C | 1398361 | Bolognese escalope |
| Dairy products | *Listeria monocytogenes* | 1/2b | JAR249 | Pasteurized milk cheese | Seeding | 2.4 | 3 days at 5°C | 1370083 | Sliced cheddar (pasteurized milk) |
| | *Listeria monocytogenes* | 4d | GCQ471 | Raw milk cheese | Seeding | 2.2 | 3 days at 5°C | 1398363 | Raw cow milk |
| | | | | | | | 3 days at 5°C | 1398364 | Slice fourme d'Ambert (pasteurized milk) |
| | | | | | | | 3 days at 5°C | 1398367 | Cheese product with garlic and herbs (pasteurized milk) |
| | *Listeria monocytogenes* | 1/2b | CLM641 | Raw milk cheese | Seeding | 1.0 | 3 days at 5°C | 1398365 | Ewe soft cheese (pasteurized milk) |
| | | | | | | | 3 days at 5°C | 1398366 | Ewe cheese, pressed not-cooked (pasteurized milk) |
| | *Listeria ivanovii* | / | / | Cream pastry cake | Seeding | 1.2 | 2 weeks at -24°C | 1398371 | Coffee ice-creamm with hazelnut sauce |
| | *Listeria monocytogenes* | 4b | HBP652 | Goat raw milk cheese | Seeding | 2.6 | 3 days at 5°C | 1420538 | Goat raw milk cheese 1 |
| | | | | | | | 3 days at 5°C | 1420539 | Goat raw milk cheese 2 |
| Seafood products | *Listeria monocytogenes* | 1/2a | SCZ856 | Stuffed monkfish | Seeding | 3.0 | 3 days at 5°C | 1398351 | Scallop terrine |
| | | | | | | | 3 days at 5°C | 1398352 | Minced Alaska pollock with lemon and onion |
| | *Listeria monocytogenes* | 4b | VCD638 | Fish brandade | Seeding | 2.6 | 3 days at 5°C | 1398353 | Tuna rillettes |
| | | | | | | | 3 days at 5°C | 1398354 | Surimi sticks |
| Vegetal products | *Listeria monocytogenes* | 4b | RCJ280 | Buckwheat flour | Seeding | 2.4 | 3 days at 5°C | 1372306 | Fresh chive |
| | | | | | | 1.6 | 3 days at 5°C | 1372308 | Mixture of aromatic herbs |
| | *Listeria monocytogenes* | 1/2a | MEF831 | Celery puree | Seeding | 0.8 | 2 weeks at -24°C | 1398372 | Frozen vegetables gyoza |
| | | | | | | | 2 weeks at -24°C | 1398373 | Frozen puree: carot, sweet potato, pumpkin and potato |
| | | | | | | | 2 weeks at -24°C | 1398374 | Frozen stew: green beans, potatoes, mushrooms, carots |
| | *Listeria monocytogenes* | 1/2a | FCY076 | Eggplant gratin | Seeding | 0.8 | 3 days at 5°C | 1409272 | Fruit salad |
| | | | | | | | 3 days at 5°C | 1409273 | Apple red berries compote with whipped cream |
| | *Listeria monocytogenes* | 1/2a | XBB696 | Peeled frozen beans | Seeding | 2.8 | 3 days at 5°C | 1420540 | Strawberries |
| | | | | | | | 2 weeks at -24°C | 1420541 | Fine beans (frozen) |
| Composite foods | *Listeria monocytogenes* | 1/2a | SCZ856 | Stuffed monkfish | Seeding | 1.0 | 3 days at 5°C | 1370078 | Gambas and scallop marinade with lemon |
| | *Listeria monocytogenes* | 1/2c | TED200 | Rilletttes | Seeding | 0.2 | 3 days at 5°C | 1370081 | Sweetbread bouchée |
| | *Listeria monocytogenes* | 1/2b | JAR249 | Pasteurized milk cheese | Seeding | 1.2 | 3 days at 5°C | 1370082 | Goat cheese soufflé |
| | *Listeria monocytogenes* | 1/2a | FCY076 | Eggplant gratin | Seeding | 1.8 | 3 days at 5°C | 1372303 | Mixed vegetables with mayonnaise |
| | *Listeria monocytogenes* | 1/2c | TED200 | Rilletttes | Seeding | 0.2 | 3 days at 5°C | 1372304 | Chorizo slices |
| | *Listeria monocytogenes* | 1/2a | MEF831 | Celery puree | Seeding | 3.8 | 3 days at 5°C | 1372305 | Coleslaw salad |
| | *Listeria monocytogenes* | 1/2c | TED200 | Rilletttes | Seeding | 0.2 | 3 days at 5°C | 1372307 | Cooked turkey aiguillettes |
| | *Listeria ivanovii* | / | / | Cream pastry cake | Seeding | 1.8 | 3 days at 5°C | 1398355 | Chocolate fondant |
| | | | | | | | 3 days at 5°C | 1398368 | Chocolate and coffee "religieuse" pastry |
| | | | | | | | 3 days at 5°C | 1398357 | Custard |
| | *Listeria welshimeri* | / | EGK088 | Bouchée with pork | Seeding | 1.4 | 3 days at 5°C | 1398356 | Ricotta - spinach ravioli |
| | | | | | | | 3 days at 5°C | 1398358 | Cheese pie |
| | | | | | | | 3 days at 5°C | 1398359 | Tortilla with onions |
| | *Listeria monocytogenes* | 1/2c | SAE286 | Ham | Seeding | 0.6 | 3 days at 5°C | 1398362 | Pork nems |
| | | | | | | | 3 days at 5°C | 1398369 | Grilled chicken and mayonnaise sandwich |
| | | | | | | | 3 days at 5°C | 1398370 | Chicken cheddar hamburger with barbecue sauce |
| | *Listeria welshimeri* | / | DJC260 | Pork meat | Seeding | 2.4 | 3 days at 5°C | 1409265 | Sandwich ham chedddar salad |
| | *Listeria monocytogenes* | 1/2b | JAR249 | Pasteurized milk cheese | Seeding | 1.0 | 3 days at 5°C | 1409266 | Cheese bites with spices and herbs |
| | *Listeria innocua* | / | FEY823 | Liver pâté | Seeding | 2.4 | 3 days at 5°C | 1409267 | Wrap bacon, yoghurt sauce, egg, marinated tomatoes |
| | *Listeria monocytogenes* | 1/2a | KFT154 | Meal with fermented pork | Seeding | 2.8 | 3 days at 5°C | 1409264 | Cocktail bites bacon/cheese |
| | | | | | | | 3 days at 5°C | 1409268 | Sandwich beef, cheese sauce and cheese |
| | | | | | | | 3 days at 5°C | 1409269 | Rillauds (ready-to-eat cooked pork bites) |
| | *Listeria monocytogenes* | 4b | ALB748 | Salmon tagliatelle | Seeding | 1.0 | 3 days at 5°C | 1409270 | Fusili carbonara |
| | *Listeria ivanovii* | / | / | Pork | Seeding | 1.6 | | | |
| | *Listeria monocytogenes* | 1/2a | XBB696 | Peeled frozen beans | Seeding | 0.8 | 3 days at 5°C | 1409271 | Cucumber with cottage cheese and chives |
| | *Listeria innocua* | / | CLM641 | Garlic | Seeding | 2.4 | | | |
| | *Listeria welshimeri* | / | DJC260 | Pork meat | Seeding | 2.0 | 3 days at 5°C | 1409274 | Beef muzzle à la lyonnaise |
| | *Listeria monocytogenes* | 1/2a | EFV356 | Bacon | Seeding | 2.0 | 3 days at 5°C | 1409275 | Saveloy salad with vinaigrette |
| | *Listeria monocytogenes* | 1/2a | FCY076 | Eggplant gratin | Seeding | 1.2 | 3 days at 5°C | 1420542 | Salad bulgur, quinoa, cranberries |
| | *Listeria monocytogenes* | 4b | ALB748 | Salmon tagliatelle | Seeding | 2.2 | 3 days at 5°C | 1420543 | Liquid pasteurized whole eggs |
| | | | | | | | 3 days at 5°C | 1420544 | Béchamel sauce |
| | | | | | | | 3 days at 5°C | 1420545 | Liquid pasteurized egg whites |
| | *Listeria monocytogenes* | 1/2a | HCX517 | Cod eggs | Seeding | 2.4 | 3 days at 5°C | 1420546 | Praliné-flavoured cream pastry |
| | | | | | | | 3 days at 5°C | 1420547 | Fraisier (strawberry-flavoured cream pastry) |
| Environmental samples | *Listeria monocytogenes* | 1/2a | GEB639 | Swab washing station | Seeding | 1.8 | 3 days at 5°C | 1420548 | Process water fish plant 1 |
| | | | | | | | 3 days at 5°C | 1420549 | Process water fish plant 2 |
| | *Listeria monocytogenes* | 3a | RAX819 | Sponge butchery | Seeding | 2.4 | 3 days at 5°C | 1420550 | Process water vegetable processing area |
| | | | | | | | 3 days at 5°C | 1420551 | Process water dairy plant |
| | | | | | | | 3 days at 5°C | 1420552 | Process water egg processing plant |

## Artificial contaminations - Extension study

| # | Sample name | Category | Type | Strain | | | Injury protocol | | | | Result |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Strain | Code | Origin | Type of stress | Applied stress | Delta log | Level (CFU/test portion) | |
| 1977823 | Raw milk cow cheese (Tomme) | Dairy products excluding raw milk | a | *L.monocytogenes 1/2b ou 3b ou 7* | BMU793 | Raw milk dairy products | Seeding | 72h at 4°C | / | 2,0 | + |
| 1977824 | Raw milk cow cheese (Abondancee) | | a | *L.monocytogenes 1/2b ou 3b ou 7* | BMU793 | Raw milk dairy products | Seeding | 72h at 4°C | / | 2,0 | + |
| 1977825 | Raw milk cow cheese (Brie de Meaux) | | a | *L.monocytogenes 1/2b ou 3b ou 7* | BMU793 | Raw milk dairy products | Seeding | 72h at 4°C | / | 2,0 | + |
| 1977827 | Raw milk cow cheese (Chabichou) | | a | *L.monocytogenes 1/2a ou 3a* | BLV059 | Raw milk cheese | Seeding | 72h at 4°C | / | 2,2 | + |
| 1977828 | Raw milk cow cheese (Roquefort) | | a | *L.monocytogenes 1/2a ou 3a* | BLV059 | Raw milk cheese | Seeding | 72h at 4°C | / | 2,2 | + |
| 2067968 | Raw milk ewe cheese (Roquefort) | | a | *L.monocytogenes 4d* | GCQ471 | Raw milk cheese | Seeding | 72h at 4°C | / | 2.8 | + |
| 2067969 | Raw milk goat cheese (Ste Maure) | | a | *L.monocytogenes 4d* | GCQ471 | Raw milk cheese | Seeding | 72h at 4°C | / | 2.8 | + |
| 2067970 | Raw milk cow cheese (Camembert) | | a | *L.monocytogenes 4d* | GCQ471 | Raw milk cheese | Seeding | 72h at 4°C | / | 2.8 | + |
| 1977818 | Raw milk cow cheese (Camembert) | | a | *L. innocua* | QHW317 | Gorgonzola | Seeding | 72h at 4°C | / | 2.6 | - |
| 1977819 | Raw milk cow cheese (Comté) | | a | *L. innocua* | QHW317 | Gorgonzola | Seeding | 72h at 4°C | / | 2.6 | + |
| 1977820 | Raw milk cow cheese (Ste Maure de Tourraine) | | a | *L. innocua* | GLE603 | Environment dairy industry | Seeding | 72h at 4°C | / | 0.8 | - |
| 1977821 | Raw milk cow cheese (Tomme de Savoie) | | a | *L. innocua* | GLE603 | Environment dairy industry | Seeding | 72h at 4°C | / | 0.8 | + |
| 2034902 | Raw milk cow cheese (Bethmale) | | a | *L.ivanovii* | GJP629 | Environment dairy industry | Seeding | 72h at 4°C | / | 1.2 | + |
| 2034903 | Raw milk cow cheese (Beaufort) | | a | *L.ivanovii* | GJP629 | Environment dairy industry | Seeding | 72h at 4°C | / | 1.2 | + |
| 1977542 | Pasteurized cow cheese (Munster) | | b | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Seeding | 72h at 4°C | / | 1.8 | + |
| 1977546 | Pasteurized sheep cheese | | b | *L. monocytogenes 1/2a ou 3a - L.welshimeri* | FKZ497 - GLX736 | Tartiflette brusheta - Infant formula industry | Seeding | 72h at 4°C | / | 1,6/2,2 | + |
| 1977547 | Pasteurized cow cheese (Brie) | | b | *L. monocytogenes 1/2a ou 3a - L.welshimeri* | FKZ497 - GLX736 | Tartiflette brusheta - Infant formula industry | Seeding | 72h at 4°C | / | 1,6/2,2 | + |
| 1977548 | Pasteurized sheep cheese (Bleu) | | b | *L.monocytogenes 1/2a ou 3a* | FMJ325 | Thermized milk cheese | Seeding | 72h at 4°C | / | 1.8 | + |
| 1977549 | Pasteurized cow cheese (Merzer) | | b | *L.monocytogenes 1/2a ou 3a* | FMJ325 | Thermized milk cheese | Seeding | 72h at 4°C | / | 1.8 | + |
| 1977550 | Pasteurized sheep cheese | | b | *L.monocytogenes 1/2a ou 3a* | FMJ325 | Thermized milk cheese | Seeding | 72h at 4°C | / | 1.8 | + |
| 1977551 | Pasteurized cow cheese | | b | *L.monocytogenes 1/2a ou 3a* | FMJ325 | Thermized milk cheese | Seeding | 72h at 4°C | / | 1.8 | + |
| 1978392 | Pasteurized cow cheese (Emmental) | | b | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Seeding | 72h at 4°C | / | 2.6 | + |
| 1978393 | Pasteurized cow cheese (Vieux Pané) | | b | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Seeding | 72h at 4°C | / | 2.6 | + |
| 1978394 | Pasteurized cow cheese (Chamois d'or) | | b | *L.monocytogenes 1/2b ou 3b ou 7* | FLD375 | Feta cheese | Seeding | 72h at 4°C | / | 2.6 | - |
| 1978395 | Pasteurized cow cheese (Tomme) | | b | *L.monocytogenes 1/2b ou 3b ou 7* | FLD375 | Feta cheese | Seeding | 72h at 4°C | / | 2.6 | - |
| 1977543 | Pasteurized goat cheese | | b | *L.innocua* | QBB281 | Organic raw milk cheese | Seeding | 72h at 4°C | / | 2.4 | + |
| 1977544 | Pasteurized goat cheese (Ossau Iraty) | | b | *L.innocua* | QBB281 | Organic raw milk cheese | Seeding | 72h at 4°C | / | 2.4 | + |
| 1977552 | Pasteurized cow cheese (Emmental) | | b | *L. ivanovii* | GQD028 | Environment dairy industry | Seeding | 72h at 4°C | / | 2.4 | + |
| 1977553 | Pasteurized cow cheese (Camembert) | | b | *L. ivanovii* | GQD028 | Environment dairy industry | Seeding | 72h at 4°C | / | 2.4 | + |
| 1977555 | Powdered whey | | c | *L. monocytogenes 4b - L.innocua* | HBP652 - GPQ140 | Raw milk cheese - Milk powder industry | Spiking | 15 min at 56°C | 1.63 / 1.26 | 4,8/4,0 | + |
| 1978383 | Skimmed milk powder | | c | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 15 min at 56°C | 0.85 | 3.8 | + |
| 1977558 | Goat milk powder | | c | *L.monocytogenes 1/2b ou 3b ou 7* | FLD375 | Feta cheese | Spiking | 15 min at 56°C | 1.81 | 4.6 | + |
| 1977559 | Powdered caseinate | | c | *L.monocytogenes 1/2b ou 3b ou 7* | FLD375 | Feta cheese | Spiking | 15 min at 56°C | 1.81 | 4.6 | + |
| 1977582 | Skimmed milk powder | | c | *L.monocytogenes 1/2b* | JAR249 | Pasteurized milk cheese | Spiking | 15 min at 56°C | 1.03 | 4.0 | + |
| 1977584 | Powdered buttermilk | | c | *L.monocytogenes 4b* | LAS822 | Raw milk cheese | Spiking | 15 min at 56°C | 0.80 | 4.4 | + |
| 1977585 | Semi-skimmed milk powder | | c | *L.monocytogenes 4b* | LAS822 | Raw milk cheese | Spiking | 15 min at 56°C | 0.80 | 4.4 | + |
| 1977577 | Whey permeat | | c | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 15 min at 56°C | 0.85 | 4.4 | - |
| 1977578 | Organic skimmed milk powder | | c | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 15 min at 56°C | 0.85 | 4.4 | - |
| 1977583 | Whey permeat | | c | *L.monocytogenes 1/2b* | JAR249 | Pasteurized milk cheese | Spiking | 15 min at 56°C | 1.03 | 4.0 | - |
| 2067971 | Whey permeate | | c | *L.monocytogenes 1/2a ou 3a* | FKZ497 | Tartiflette brushetta | Spiking | 15 min at 56°C | 1.12 | 4.2 | + |
| 2067972 | Powdered buttermilk | | c | *L.monocytogenes 1/2a ou 3a* | FKZ497 | Tartiflette brushetta | Spiking | 15 min at 56°C | 1.12 | 4.2 | + |
| 2067973 | Ewe whole milk powder | | c | *L.monocytogenes 1/2a ou 3a* | FKZ497 | Tartiflette brushetta | Spiking | 15 min at 56°C | 1.12 | 4.2 | + |
| 1978386 | Skimmed milk | | c | *L.innocua* | QHW317 | Gorgonzola | Spiking | 15 min at 56°C | 1.03 | 1.6 | + |
| 1978387 | Organic skimmed milk powder | | c | *L.innocua* | BVG975 | Environment dairy industry | Spiking | 15 min at 56°C | 1.85 | 4.6 | + |
| 1977554 | Powdered whole milk | | c | *L.innocua* | GPQ140 | Milk powder industry | Spiking | 15 min at 56°C | 1.3 | 4.0 | + |
| 1977579 | Skimmed milk powder LOT1 | | c | *L.welshimeri* | GLX736 | Infant formula industry | Spiking | 15 min at 56°C | 1.48 | 3.2 | - |
| 1977580 | Skimmed milk powder LOT2 | | c | *L.welshimeri* | GLX736 | Infant formula industry | Spiking | 15 min at 56°C | 1.48 | 3.2 | + |
| 1977560 | Baby milk powder 0-6 months | Powdered Infant Formula and cereals | a | *L.innocua - L.monocytogenes 1/2b ou 3b ou 7* | GRR943 - BMU793 | Environment dairy industry - Fresh cream with raw milk | Spiking | 15 min at 56°C | 1.40 / 1.29 | 2,8/3,0 | + |
| 1977561 | Baby milk powder 6-12 months batch 1 | | a | *L.innocua - L.monocytogenes 1/2b ou 3b ou 7* | GRR943 - BMU793 | Environment dairy industry - Fresh cream with raw milk | Spiking | 15 min at 56°C | 1.40 / 1.29 | 2,8/3,0 | + |
| 1977562 | Baby milk powder 1-3 years batch 1 | | a | *L.innocua - L.monocytogenes 1/2b ou 3b ou 7* | GRR943 - BMU793 | Environment dairy industry - Fresh cream with raw milk | Spiking | 15 min at 56°C | 1.40 / 1.29 | 2,8/3,0 | + |
| 1977563 | Baby growth milk powder 1-3 years | | a | *L.innocua - L.monocytogenes 1/2a ou 3a* | GLE603 - BLV059 | Environment dairy industry - Raw milk cheese | Spiking | 15 min at 56°C | 1.28 / 1.15 | 3,0/4,0 | + |
| 1977564 | Baby goat milk powder 1- 3 years | | a | *L.innocua - L.monocytogenes 1/2a ou 3a* | GLE603 - BLV059 | Environment dairy industry - Raw milk cheese | Spiking | 15 min at 56°C | 1.28 / 1.15 | 3,0/4,0 | + |
| 1977568 | Junior baby milk powder + 18 months | | a | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 0.57 | 4.0 | + |
| 1977567 | Baby milk powder thickened formula 6-12 months | | a | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 0.57 | 4.0 | + |
| 1977569 | Baby milk powder 6-12 months LOT 2 | | a | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 0.57 | 4.0 | + |
| 1977566 | Baby growth milk powder1-3 years | | a | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 0.57 | 4.0 | - |
| 1977570 | Baby milk powder 1-3 years LOT 1 | | a | *L.innocua* | QHW317 | Gorgonzola | Spiking | 15 min at 56°C | 1.03 | 4.6 | + |
| 1977571 | Baby milk powder 1-3 years LOT 2 | | a | *L.innocua* | QHW317 | Gorgonzola | Spiking | 15 min at 56°C | 1.03 | 4.6 | + |
| 1977589 | Infant milk 1-3 years<br>*Lactobacillus reuteri* DSM 17938 - 5,5 $10^6$ UFC/g | | b | *L.monocytogenes 1/2b* | JAR249 | Pasteurized milk cheese | Spiking | 15 min at 56°C | 1.03 | 4.0 | + |
| 1977590 | Organic infant milk 6-12 months<br>*Lactobacillus fermentum hereditum* - $10^6$ UFC/g | | b | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 1.26 | 4.0 | + |

## Artificial contaminations - Extension study

| # | Sample name | Category | Type | Strain | | | Injury protocol | | | | Result |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Strain | Code | Origin | Type of stress | Applied stress | Delta log | Level (CFU/test portion) | |
| 1977591 | Organic infant milk 1-3 years *Bifidobactérium lactis* - 2,1 $10^7$ UFC/g | Powdered Infant Formula and cereals | b | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 1.26 | 4.0 | + |
| 1977592 | Infant milk 0-6 months greedy baby *B.Lactis* - 4,5 $10^6$ UFC/g | | b | *L.monocytogenes 4b* | HBP652 | Raw milk cheese | Spiking | 15 min at 56°C | 1.02 | 4.6 | + |
| 1977593 | Infant milk 6-12 months *Lactobacillus reuteri* DSM 17938 - 6,1 $10^6$ UFC/g | | b | *L.monocytogenes 4b* | HBP652 | Raw milk cheese | Spiking | 15 min at 56°C | 1.02 | 4.6 | + |
| 1977594 | Infant milk 6-12 months *S.thermophilus* - 7,7 $10^6$ UFC/g | | b | *L.monocytogenes 4b* | HBP652 | Raw milk cheese | Spiking | 15 min at 56°C | 1.02 | 4.6 | + |
| 1977595 | Infant milk 6-12 months thickened formula Bifidobactéries - 1,6 $10^6$ UFC/g | | b | *L.monocytogenes 4b* | HBP652 | Raw milk cheese | Spiking | 15 min at 56°C | 1.02 | 4.6 | + |
| 1977760 | Infant milk 6-12 months S.thermophilus - 7700000UFC/g | | b | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 30 min at 60°C | 1.73 | 2.6 | + |
| 1977761 | Infant milk 6-12 months thickened formula Bifidobactéries - 1600000 UFC/g | | b | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 30 min at 60°C | 1.73 | 2.6 | + |
| 1977586 | Infant milk 0-6 months thickened formula *B.Lactis* - 4,7 $10^6$ UFC/g | | b | *L.monocytogenes 1/2b* | JAR249 | Pasteurized milk cheese | Spiking | 15 min at 56°C | 1.03 | 4.0 | - |
| 1977587 | Infant milk 0-6 months (breastfeeding relay) *Lactobacillus reuteri* DSM 17938 - 4 $10^5$ UFC/g | | b | *L.monocytogenes 4b* | LAS822 | Raw milk cheese | Spiking | 15 min at 56°C | 0.8 | 4.4 | - |
| 1977588 | Infant milk 6-12 months thickened formula *Bifidobactérium infantis* - 4,1 $10^6$ UFC/g | | b | *L.monocytogenes 4b* | LAS822 | Raw milk cheese | Spiking | 15 min at 56°C | 0.8 | 4.4 | - |
| 1977757 | Organic infant milk 1-3 years Bifidobactérium lactis - 21000000 UFC/g | | b | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Spiking | 15 min at 56°C | 1.2 | 3.0 | - |
| 1977758 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | | b | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Spiking | 15 min at 56°C | 1.2 | 3.0 | - |
| 1977759 | Infant milk 6-12 months Lactobacillus reuteri DSM 17938 - 6100000UFC/g | | b | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Spiking | 15 min at 56°C | 1.2 | 3.0 | - |
| 1977754 | Infant milk 6-12 months thickened formula Bifidobactérium infantis - 4100000 UFC/g | | b | *L. ivanovii* | GQD028 | Environment dairy industry | Spiking | 15 min at 56°C | 0.95 | 4.4 | + |
| 1977756 | Organic infant milk 6-12 months Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | | b | *L. ivanovii* | GQD028 | Environment dairy industry | Spiking | 15 min at 56°C | 0.95 | 4.4 | + |
| 1978396 | Infant milk 6-12 months thickened formula *Bifidobactérium infantis* - 3,4x$10^6$ UFC/g | | b | *L.innocua* | GPQ140 | Milk powder industry | Spiking | 30 min at 60°C | 0.51 | 5.0 | + |
| 1978397 | Infant milk 1-3 years *Lactobacillus reuteri* DSM 17938 - 5,4x$10^6$ UFC/g | | b | *L.innocua* | GPQ140 | Milk powder industry | Spiking | 30 min at 60°C | 0.51 | 5.0 | + |
| 1978398 | Infant milk 1-3 years *Lactobacillus reuteri* DSM 17938 - 1,1x$10^7$ UFC/g | | b | *L.innocua* | GPQ140 | Milk powder industry | Spiking | 30 min at 60°C | 0.51 | 5.0 | + |
| 1977752 | Infant milk 0-6 months thickened formula B.Lactis - 4700000 UFC/g | | b | *L.innocua* | QBB281 | Organic raw milk cheese | Spiking | 30 min at 60°C | 3.20 | 4.4 | - |
| 1977753 | Infant milk 0-6 months (breastfeeding relay) Lactobacillus reuteri DSM 17938 - 400000UFC/g | | b | *L.welshimeri* | GLX736 | Infant formula industry | Spiking | 30 min at 60°C | 0.89 | 2.8 | - |
| 1977755 | Infant milk 1-3 years Lactobacillus reuteri DSM 17938 - 5500000UFC/g | | b | *L.innocua* | QBB281 | Organic raw milk cheese | Spiking | 30 min at 60°C | 3.20 | 4.4 | - |
| 1977742 | Infant cereal quinoa banana plum B. lactis 1,1 $10^6$ CFU/g | | c | *L.monocytogenes 4b* | RCJ280 | Plants | Spiking | 30 min at 60°C | 0.73 | 4 | + |
| 1977743 | Infant cereals with honey B. lactis 3,4 $10^6$ CFU/g | | c | *L.monocytogenes 4b* | RCJ280 | Plants | Spiking | 30 min at 60°C | 0.73 | 4 | + |
| 1977744 | Biscuit flavored infant cereals B. lactis 7 $10^5$ CFU/g | | c | *L.monocytogenes 4b* | RCJ280 | Plants | Spiking | 30 min at 60°C | 0.73 | 4 | + |
| 1977745 | Infant cereals with 5 cereals B. lactis 5 $10^5$ CFU/g | | c | *L.monocytogenes 4b* | RCJ280 | Plants | Spiking | 30 min at 60°C | 0.73 | 4 | + |
| 1977746 | Whole oat and wheat infant cereals B. lactis 6,8 $10^6$ CFU/g | | c | *L.monocytogenes* | BNX114 | Composite feeds | Spiking | 15 min at 56°C | 1.01 | 3.4 | + |
| 1977747 | Infant multi-cereals with exotic fruits | | c | *L.monocytogenes* | BNX114 | Composite feeds | Spiking | 15 min at 56°C | 1.01 | 3.4 | + |
| 1977748 | Brioche flavored Infant cereals | | c | *L.monocytogenes 4b* | RCJ280 | Plants | Spiking | 30 min at 60°C | 0.73 | 4 | + |
| 1977749 | Infant vanilla cereals | | c | *L.monocytogenes 4b* | LAS822 | Raw milk cheese | Spiking | 15 min at 56°C | 1.72 | 2.8 | - |
| 1977750 | Infant chocolate cereals | | c | *L.monocytogenes 4b* | LAS822 | Raw milk cheese | Spiking | 15 min at 56°C | 1.72 | 2.8 | + |
| 1977751 | Infant caramel cereals | | c | *L.monocytogenes 1/2b* | JAR249 | Pasteurized milk cheese | Spiking | 15 min at 56°C | 1.85 | 2.6 | + |
| 1977780 | Infant chocolate cereals | | c | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 30 min at 60°C | 1.73 | 3,8 | + |
| 1977774 | Biscuit flavored infant cereals B. lactis 7 $10^5$ CFU/g | | c | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 1.26 | 5.0 | + |
| 1977775 | Infant cereals with 5 cereals B. lactis 5 $10^5$ CFU/g | | c | *L.monocytogenes 1/2a* | PCA920 | Environment dairy industry | Spiking | 15 min at 56°C | 1.26 | 5.0 | + |
| 1977778 | Brioche flavored Infant cereals | | c | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Spiking | 15 min at 56°C | 1.2 | 4.0 | - |
| 1977779 | Infant vanilla cereals | Powdered | c | *L.monocytogenes 1/2b* | CLM641 | Raw milk cheese | Spiking | 15 min at 56°C | 1.2 | 4.0 | - |

## Artificial contaminations - Extension study

| # | Sample name | Category | Type | Strain | | | Injury protocol | | | | Result |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Strain | Code | Origin | Type of stress | Applied stress | Delta log | Level (CFU/test portion) | |
| 1977781 | Infant caramel cereals | Infant Formula and cereals | c | *L.monocytogenes 1/2a ou 3a* | GND673 | Environment dairy industry | Spiking | 30 min at 60°C | 1.73 | 5.0 | + |
| 1977772 | Infant cereal quinoa banana plum | | c | *L.innocua* | QBB281 | Organic raw milk cheese | Spiking | 30 min at 60°C | 3.13 | 4.2 | - |
| 1977773 | Infant cereals with honey | | c | *L.innocua* | QBB281 | Organic raw milk cheese | Spiking | 30 min at 60°C | 3.13 | 4.2 | + |
| 1977776 | Whole oat and wheat infant cereals | | c | *L. ivanovii* | GQD028 | Dairy industry | Spiking | 15 min at 56°C | 0.76 | 4.8 | + |
| 1977777 | Infant multi-cereals with exotic fruits | | c | *L. ivanovii* | GQD028 | Dairy industry | Spiking | 15 min at 56°C | 0.76 | 4.8 | + |

# APPENDIX D1

# INITIAL VALIDATION STUDY

# SENSITIVITY RAW RESULTS

## KEY

**Bacterial burden**

Ø: no culture
L = low
M = moderate
H = high

**Breakdown of flora**

A = pure culture of suspect colonies
B = mixture with a majority of suspect colonies
C = mixture with a minority of suspect colonies
D = mixture with rare suspect colonies
E = absence of suspect colonies
(x): x colonies characteristic of *Listeria* if x ≤ 5

* : presence of two types of characteristic colony (*L.monocytogenes* + other)
a: reincubation of LX broths for 24 hours at 30°C
b: subculture of 0.1ml in LX broth, incubated for 24 hours at 30°C, then re-tested using LDUO
c: subculture of 0.1ml in Fraser broth, incubated for 24 hours at 30°C, then re-tested using LDUO

Samples excluded from the interpretation

# ***Meat products - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | FINAL RESULT | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| E12 | Lamb kebab | PC1 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| F1 | Tournedos | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F3 | Horse meat fillet | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | 0 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| F4 | pork chop | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| F5 | Rump steak | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F6 | Rib steak | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| M1 | Lamb kidneys | PC1 | *No* | | Ø | -ME | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| M6 | Chicken breasts | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| M11 | Kidneys | PC1 | *No* | | Ø | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| W14 | Minced horse meat | PC1 | *No* | | Ø | Ø | Ø | -LE | / | - | 22 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| F2 | Tomato & basil chipolata sausages | PC2 | *No* | | -LE | Ø | -LE | Ø | / | - | -4 | 0.00 | - | 39 | 0.01 | - | / | / | / | / | - | NA |
| M3 | Blood sausage | PC2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| M12 | Blood sausage | PC2 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 16 | 0.00 | - | / | / | / | / | - | NA |
| V12 | Tomato stuffing | PC2 | *No* | | -LE | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 16 | 0.00 | - | / | / | / | / | - | NA |
| V18 | Bolognese minced meat | PC2 | *No* | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 33 | 0.01 | - | / | / | / | / | - | NA |
| M10 | Pâté with pastry crust | PC2 | *No* | | Ø | Ø | -LE | Ø | / | - | -2 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I14 | Rabbit terrine | PC2 | *Yes* | *1.17* | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 30 | 0.01 | - | / | / | / | / | - | NA |
| I17 | Duck pâté | PC2 | *Yes* | *<1* | -LE | Ø | -ME | Ø | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| C26 | Forestier pâté | PC3 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| E5 | Country srtyle pâté | PC3 | *No* | | Ø | -LE | Ø | Ø | / | - | -4 | 0.00 | - | 38 | 0.01 | - | / | / | / | / | - | NA |
| E8 | Country srtyle pâté | PC3 | *No* | | Ø | -LE | Ø | -ME | / | - | -2 | 0.00 | - | 44 | 0.01 | - | / | / | / | / | - | NA |
| F9 | Country srtyle pâté | PC3 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 50 | 0.01 | - | / | / | / | / | - | NA |
| F11 | Liver pâté | PC3 | *No* | | Ø | Ø | -ME | -LE | / | - | -4 | 0.00 | - | 54 | 0.01 | - | / | / | / | / | - | NA |
| I7 | Pâté with shallots | PC3 | *No* | | Ø | Ø | -ME | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| T14 | Liver pâté | PC3 | *No* | | Ø | -LE | Ø | Ø | / | - | -4 | 0.00 | - | 28 | 0.01 | - | Ø | Ø | -LE | / | - | NA |
| I15 | Farmhouse liver pâté | PC3 | *Yes* | *0.78* | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| L4 | Chicken rillettes | PC3 | *Yes* | *0.6* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| E6 | Strasbourg sausages | PC3 | *No* | | -LE | Ø | -LE | Ø | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |

# ***Meat products - Listeria spp***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | | |
| CODE | MATRICES | Cat. | *AC* | *CFU/25g* | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | FINAL RESULT | COMPARISON |
| F10 | Cured ham | PC3 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| I6 | Garlic sausage | PC3 | *No* | | Ø | Ø | -ME | -LE | / | - | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| M7 | Cervelas sausage | PC3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| M9 | Ham | PC3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I20 | Ham roulade | PC3 | *Yes* | *<1* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| T15 | Tomato burger | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | 11 | 0.00 | - | 7048 | 3.13 | + | +HA | +HA | +MB | *L.innocua* | + | PD |
| D7 | Beef minced meat | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | 199 | 0.05 | + | / | / | + par défaut | +LA | +LA | +LA | *L.monocytogenes* | + | PD |
| C23 | Beef heart | PC1 | *No* | | +MA | +MB | +MA | +MA | *L.monocytogenes* | + | 7363 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| D1 | Turkey kebab | PC1 | *No* | | +LA* | +LA* | +MA* | +MA* | *L.monocytogenes*<br>*L.innocua*<br>*L.welshimeri* | + | 1474 | 0.37 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua*<br>*L.welshimeri* | + | PA |
| D2 | Chicken wings | PC1 | *No* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | + | 10982 | 2.78 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes*<br>*L.innocua* | + | PA |
| E2 | Minced meat | PC1 | *No* | | +LA | +LA(2) | +MA | +MA | *L.monocytogenes* | + | 7515 | 1.90 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PA |
| E3 | Minced meat | PC1 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 8260 | 2.09 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| E7 | Minced meat | PC1 | *No* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | + | 7980 | 2.02 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| E10 | Lean bourguignon beef | PC1 | *No* | | +LA | +LA | +MA | +MA | *L.welshimeri* | + | 8 | 0.00 | - | 7812 | 3.00 | + | +HA | +HA | +HA | *L.welshimeri* | + | PA |
| I21 | Pork kidneys | PC1 | *No* | | +LA* | +LA* | +HA* | +LA* | *L.welshimeri*<br>*L.innocua* | + | 26 | 0.00 | - | 6924 | 2.96 | + | +MB | +MA* | +MA* | *L.welshimeri*<br>*L.innocua* | + | PA |
| M4 | Chicken thighs | PC1 | *No* | | +LA | +LA* | +MA* | +MA* | *L.monocytogenes*<br>*L.welshimeri*<br>*L.innocua* | + | 6 | 0.00 | - | 8155 | 3.62 | + | +MA | +HA | +MA | *L.monocytogenes*<br>*L.welshimeri*<br>*L.innocua* | + | PA |
| T11 | Fillet of duck breast | PC1 | *No* | | Ø | Ø | +HA | +HB | *L.monocytogenes*<br>*L.innocua* | + | 9390 | 2.39 | + | / | / | + par défaut | +HA | +MA* | +HA | *L.monocytogenes*<br>*L.innocua* | + | PA |
| T16 | Veal | PC1 | *No* | | +LA(1) | -LE | +HB | +MB | *L.welshimeri* | + | 9 | 0.00 | - | 8603 | 3.83 | + | +MA | +MA* | +MD | *L.welshimeri* | + | PA |
| T19 | Turkey kebab | PC1 | *No* | | +LA(4) | +HD | +MA | +MA* | *L.monocytogenes*<br>*L.innocua* | + | 10155 | 2.59 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes*<br>*L.innocua* | + | PA |
| V8 | Frozen minced beef burger | PC1 | *No* | | +LB | +LB | +HA | +MA | *L.monocytogenes* | + | 7871 | 2.03 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes*<br>*L.innocua* | + | PA |
| V9 | Fillet of duck breast | PC1 | *No* | | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | 9836 | 2.54 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| V14 | Chicken fillet | PC1 | *No* | | Ø | Ø | +HA | +MA | *L.welshimeri* | + | 1934 | 0.50 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes*<br>*L.welshimeri* | + | PA |
| D10 | Minced meat | PC1 | *No* | | +LA(4) | +LA*(2) | +HA* | +HA* | *L.monocytogenes*<br>*L.innocua* | + | 1339 | 0.33 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes*<br>*L.innocua* | + | PA |
| I13 | Fillet of duck breast | PC1 | *No* | | +LA* | +LA* | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | + | 9599 | 2.44 | + | / | / | + par défaut | +HA | +MA* | +MA* | *L.monocytogenes*<br>*L.innocua* | + | PA |
| T10 | Minced beef burger with oignons | PC1 | *No* | | +LA(3) | +LB | +HB | +MA | *L.innocua* | + | 9 | 0.00 | - | 8008 | 3.56 | + | +HA | +HA | +MA | *L.innocua* | + | PA |
| I8 | Hamburger | PC1 | *No* | | +LA | +MA | +HB | +MA | *L.monocytogenes* | + | 7818 | 1.99 | + | / | / | + par défaut | +MA | +HB | +MA | *L.monocytogenes* | + | PA |
| V16 | Tomato burger | PC1 | *No* | | Ø | Ø | +HA | +MA | *L.welshimeri* | + | 27 | 0.00 | - | 7573 | 2.65 | + | +HA | +HA* | +MA | *L.welshimeri* | + | PA |
| I19 | Beef steak | PC1 | *Yes* | *<1* | +MA | +MA | +HA | +MA | *L.welshimeri* | + | 172 | 0.04 | - | 6293 | 2.69 | + | +MA | +MA | +MA | *L.welshimeri* | + | PA |

# *Meat products - Listeria spp*

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| CODE | MATRICES | Cat. | AC | CFU/25g | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| K1 | Minced pork loin | PC1 | Yes | 4.11 | +LA | +LA | +MA | +MA | *L.innocua* | + | 27 | 0.00 | - | 7824 | 3.34 | + | +HA | +HA | +HB | *L.innocua* | + | PA |
| K2 | Chicken gizzard | PC1 | Yes | 5.5 | +HA | +MA | +HA | +MA | *L.innocua* | + | 7 | 0.00 | - | 7930 | 3.39 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| M2 | Minced meat | PC1 | Yes | 5.7 | Ø | +LA | +MA | +LA | *L.innocua* | + | -3 | 0.00 | - | 4646 | 2.06 | + | +MA | +LA | +MA | *L.innocua* | + | PA |
| K4 | Bovine meat | PC1 | No & Yes | 8.2 | +LA | +LA | +HA | +MA | *L.monocytogenes L.innocua* | + | 252 | 0.06 | + | / | / | + par défaut | +HA | +HA | +HA* | *L.monocytogenes L.innocua* | + | PA |
| K6 | pork chop | PC1 | Yes | 12 | +MA | +MA | +HA | +MA | *L.welshimeri* | + | 169 | 0.04 | - | 6845 | 2.92 | + | +HA | +HB | +HA | *L.welshimeri* | + | PA |
| D9 | Minced meat with herbs | PC2 | No | | +LA* | +LA* | +MA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 5372 | 1.36 | + | / | / | + par défaut | +HA | +HA* | +HB* | *L.monocytogenes L.innocua* | + | PA |
| G4 | Texane barbecued pork | PC2 | No | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes* | + | 9331 | 2.36 | + | / | / | + par défaut | +MA* | +MB | +MA | *L.monocytogenes L.innocua* | + | PA |
| G10 | Pork belly with herbs | PC2 | No | | +HA | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | + | 7937 | 2.01 | + | / | / | + par défaut | +MA* | +HA* | +MA* | *L.monocytogenes* | + | PA |
| G11 | Spiced pork belly | PC2 | No | | +HA* | +HA* | +HA | +MA* | *L.monocytogenes* | + | 9639 | 2.44 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| I10 | Jellied tongue | PC2 | No | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| I11 | Pig's head pâté | PC2 | No | | +MA | +MB* | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 10504 | 2.67 | + | / | / | + par défaut | +HA* | +HA* | +HA* | *L.monocytogenes L.innocua* | + | PA |
| T18 | Jellied tongue | PC2 | No | | +LB | +LC | +MB | +MA* | *L.monocytogenes* | + | 7159 | 1.82 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes* | + | PA |
| V13 | Grilled ham | PC2 | No | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7299 | 1.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| L1 | Tuscan minced pork | PC2 | Yes | 2.3 | Ø | +LA | +HA | +MA | *L.welshimeri* | + | -3 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | / | - | ND |
| K7 | Jellied tongue | PC2 | Yes | 14.4 | +MA | +MA | +HA | +HA | *L.welshimeri* | + | 15 | 0.00 | - | 7794 | 3.33 | + | +HA | +HA | +HA | *L.welshimeri* | + | PA |
| C19 | Chipolata sausage | PC3 | No | | -LE | -LE | Ø | Ø | / | - | 8633 | 2.31 | + | / | / | + par défaut | +HA | +HB | +MB | *L.monocytogenes L.welshimeri* | + | PD |
| B30 | Sausage | PC3 | No | | +HA | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | + | 8627 | 2.31 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| D3 | Merguez sausage | PC3 | No | | +MA* | +MB* | +HA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 10263 | 2.60 | + | / | / | + par défaut | +HA | +HA* | +HB | *L.monocytogenes L.innocua L.welshimeri* | + | PA |
| D4 | Merguez sausage | PC3 | No | | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | 592 | 0.15 | + | / | / | + par défaut | +HA* | +MA* | +MB* | *L.monocytogenes L.innocua* | + | PA |
| D6 | Chipolata sausage | PC3 | No | | Ø | Ø | +HC | +MB | *L.monocytogenes* | + | 9036 | 2.29 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes L.innocua* | + | PA |
| D11 | Andouillette sausage | PC3 | No | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 7809 | 1.98 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | + | PA |
| E9 | Chipolata sausage with olives | PC3 | No | | +LA | +LB | +LB | +MA* | *L.monocytogenes L.welshimeri L.innocua* | + | 452 | 0.11 | + | / | / | + par défaut | +MA* | +MA* | +MA* | *L.monocytogenes L.welshimeri L.innocua* | + | PA |
| E11 | Toulouse sausage | PC3 | No | | +LA* | +LA* | +HA | +HA* | *L.monocytogenes L.innocua* | + | 3134 | 0.79 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | + | PA |
| F7 | Chipolata sausage | PC3 | No | | +MA* | +MA* | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 10480 | 2.80 | + | / | / | + par défaut | +HA* | +MB* | +MB | *L.monocytogenes L.innocua* | + | PA |
| F8 | Merguez sausage | PC3 | No | | +MB | +LA | +HA | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 9529 | 2.54 | + | / | / | + par défaut | +HB | +HB | +HA | *L.monocytogenes L.innocua L.welshimeri* | + | PA |
| M8 | Merguez sausage | PC3 | No | | +HB | +HB | +MB | +MB | *L.monocytogenes L.innocua* | + | 9253 | 2.33 | + | / | / | + par défaut | +HB | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| V10 | Strasbourg sausages | PC3 | No | | Ø | -LE | Ø | Ø | / | - | 7711 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| D5 | Lardons | PC3 | No | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 8706 | 2.20 | + | / | / | + par défaut | +HA | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| D8 | Cured ham | PC3 | No | | +MA | +MA | +MA | +MA | *L.welshimeri* | + | 61 | 0.01 | - | 7666 | 2.94 | + | +HA | +HA | +HA | *L.welshimeri* | + | PA |
| G3 | Paris style cooked ham | PC3 | No | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7946 | 2.01 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| I12 | Knuckle of ham | PC3 | No | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 8991 | 2.29 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| T12 | Somked lardons | PC3 | No | | +LA(2) | +MA | +HA* | +MA* | *L.monocytogenes L.welshimeri* | + | 10064 | 2.57 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.welshimeri* | + | PA |
| T13 | Spreadable sausage | PC3 | No | | +MA* | +MA* | +HB | +MA* | *L.monocytogenes L.welshimeri* | + | 9739 | 2.48 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes L.welshimeri* | + | PA |
| T17 | Spreadable sausage | PC3 | No | | +MA | +MA* | +HB | +MA | *L.innocua L.welshimeri* | + | 9 | 0.00 | - | 7075 | 3.15 | + | +HA | +HA | +MA | *L.innocua* | + | PA |

## ***Meat products - Listeria spp***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| CODE | MATRICES | Cat. | *AC* | *CFU/25g* | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| V11 | Smoked lardons | PC3 | *No* | | Ø | +LA | +HA | +HA | *L.welshimeri* | + | 7529 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.welshimeri* | + | PA |
| V15 | Smoked pork belly | PC3 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 6943 | 1.79 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PA |
| V17 | Lardons | PC3 | *No* | | +LA | +LB | +MA | +MA | *L.monocytogenes L.welshimeri* | + | 9735 | 2.52 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.welshimeri* | + | PA |
| W15 | Lardons | PC3 | *No* | | +LA | +LA | +HA | +HB | *L.monocytogenes* | + | 7707 | 1.99 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| X16 | Lardons | PC3 | *No* | | +LA | +LA | +MA | +MA | *L.innocua* | + | 1 | 0.00 | - | 7853 | 2.75 | + | +MA | +HA | +HA | *L.innocua* | + | PA |
| X17 | Smoked pork belly | PC3 | *No* | | +LA(2) | +LA | +HA | +MA | *L.monocytogenes* | + | 9129 | 2.36 | + | / | / | + par défaut | +MB | +HA | +HB | *L.monocytogenes* | + | PA |
| I16 | Country pâté | PC3 | *Yes* | *<1* | +MA | +MA | +HA | +MA | *L.welshimeri* | + | 6 | 0.00 | - | 7054 | 3.01 | + | +MA | +HA | +MA | *L.welshimeri* | + | PA |
| L3 | Rillettes | PC3 | *Yes* | *0.3* | +LA | +LA | +HA | +HA | *L.ivanovii* | + | -3 | 0.00 | - | 38 | 0.01 | - | Ø | Ø | Ø | / | - | ND |
| L2 | Strasbourg sausages | PC3 | *Yes* | *1.8* | +LA | +LA | +HA | +HA | *L.welshimeri* | + | 8 | 0.00 | - | 7975 | 3.54 | + | +HA | +HA | +HA | *L.welshimeri* | + | PA |
| K3 | Mortadella sausage | PC3 | *Yes* | *6.8* | +LA | +MB | +HA | +HA | *L.innocua* | + | 29 | 0.00 | - | 7682 | 3.28 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| K5 | Ham | PC3 | *Yes* | *9.6* | +MA | +MA | +HA | +MA | *L.welshimeri* | + | 8 | 0.00 | - | 7880 | 3.38 | + | +HA | +HA | +HB | *L.welshimeri* | + | PA |
| M5 | Rosette dried sausage | PC3 | *Yes* | *7 et 3,8* | +HA(2) | +MA | +MA | +MB | *L.monocytogenes L.innocua* | + | 8149 | 2.05 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |

# ***Dairy products - Listeria spp***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| CODE | MATRICES | Cat. | AC | CFU/25g | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| I22 | Brie cheese | PL1 | Yes | 34.5 | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 27 | 0.01 | - | / | / | / | / | - | NA |
| H4 | Brie cheese | PL1 | Yes | 56 | Ø | -ME | Ø | -LE | / | - | -3 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| H6 | Reblochon cheese | PL1 | Yes | 84 | Ø | -LE | Ø | -LE | / | - | -5 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| B17 | Maroilles cheese | PL1 | No | | -LE | -LE | -ME | Ø | / | - | -2 | 0.00 | - | 31 | 0.01 | - | / | / | / | / | - | NA |
| C22 | Epoisses cheese | PL1 | No | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 32 | 0.01 | - | / | / | / | / | - | NA |
| C25 | Maroilles cheese | PL1 | No | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| D12 | Coulommiers cheese | PL1 | No | | Ø | Ø | Ø | Ø | / | - | -1 | 0.00 | - | 44 | 0.01 | - | / | / | / | / | - | NA |
| D13 | Maroilles cheese | PL1 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| D15 | Camembert cheese | PL1 | No | | Ø | -LE | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| D16 | Reblochon cheese | PL1 | No | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| D17 | Reblochon cheese | PL1 | No | | Ø | -ME | Ø | -ME | / | - | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| D18 | Neufchâtel cheese | PL1 | No | | -ME | -ME | -ME | Ø | / | - | -3 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| D19 | Langres cheese | PL1 | No | | Ø | Ø | Ø | Ø | / | - | 1 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| G2 | Morbier cheese | PL1 | No | | Ø | -ME | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| I5 | Brie cheese | PL1 | No | | Ø | -ME | -LE | -ME | / | - | 6 | 0.00 | - | 230 | 0.09 | - | / | / | / | / | - | NA |
| I3 | Roquefort cheese | PL2 | No | | Ø | -LE | Ø | Ø | / | - | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| H3 | Ossau Iraty cheese | PL2 | Yes | 28 | -LE | -LE | -LE | -ME | / | - | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| C11 | Carré du vinage cheese | PL2 | No | | -LE | -LE | Ø | Ø | / | - | 0 | 0.00 | - | 103 | 0.03 | - | / | / | / | / | - | NA |
| C24 | Picodon cheese | PL2 | No | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| D20 | Goat cheese | PL2 | No | | Ø | -LE | Ø | -ME | / | - | -1 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| I4 | Crottin goat cheese | PL2 | No | | Ø | Ø | Ø | -LE | / | - | 103 | 0.02 | - | 99 | 0.04 | - | / | / | / | / | - | NA |
| P8 | Farm made chevrotin cheese | PL2 | No | | Ø | -LE | -ME | -ME | / | - | -2 | 0.00 | - | 25 | 0.01 | - | Ø | Ø | Ø | Ø | - | NA |
| V1 | Goat cheese log | PL2 | No | | Ø | -LE | Ø | -ME | / | - | -4 | 0.00 | - | 90 | 0.03 | - | / | / | / | / | - | NA |
| W16 | Goat cheese | PL2 | No | | Ø | Ø | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| B10 | Roquefort creamy cheese | PL2 | No | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | = | NA |
| B15 | Rond du vinage cheese | PL2 | No | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 27 | 0.00 | - | / | / | / | / | - | = | NA |
| I28 | Raw milk | PL3 | Yes | 0.5 | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| I24 | Milk powder | PL3 | Yes | 0.66 | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 29 | 0.01 | - | / | / | / | / | - | NA |
| I27 | Raw milk | PL3 | Yes | 0.82 | -LE | Ø | -LE | Ø | / | - | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| I23 | Milk powder | PL3 | Yes | 27.6 | Ø | Ø | Ø | Ø | / | - | 1 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| I26 | Raw milk | PL3 | Yes | 34.5 | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| I25 | Milk powder | PL3 | Yes | 0,5 mono 20.7 inno | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| J23 | Raw milk | PL3 | No | | Ø | Ø | -LE | -LE | / | - | -2 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| J24 | Raw milk | PL3 | No | | Ø | Ø | -LE | -ME | / | - | -3 | 0.00 | - | 27 | 0.01 | - | / | / | / | / | - | NA |
| J25 | Raw milk | PL3 | No | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| J26 | Raw milk | PL3 | No | | Ø | Ø | -ME | -ME | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| J27 | Raw milk | PL3 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 36 | 0.01 | - | / | / | / | / | - | NA |
| E4 | Chocolate flavored fresh cheese | PL3 | No | | Ø | Ø | -ME | -LE | / | - | -3 | 0.00 | - | 14 | 0.00 | - | / | / | / | / | - | NA |
| I1 | 0% white cheese | PL3 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I2 | 20% white cheese | PL3 | No | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| C7 | Cow raw milk cheese | PL1 | No | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 9209 | 3.25 | + | +HA | +LA | +LB | *L.seeligeri* | + | PD |
| D14 | Munster cheese | PL1 | No | | Ø | -ME | Ø | Ø | / | - | 0 | 0.00 | - | 592 | 0.22 | + | +MB | +MA | +MB | *L.innocua* | + | PD |
| B2 | Maroilles cheese | PL1 | No | | +LB | +LA | +HB | +MA | *L.monocytogenes* | + | 7049 | 1.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B4 | Farm made Maroilles cheese | PL1 | No | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 8091 | 2.16 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| B6 | Maroilles cheese | PL1 | No | | +LB | +LB | +HA | +HA | *L.monocytogenes* | + | 8772 | 2.35 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes* | + | PA |
| B18 | Epoisses cheese | PL1 | No | | +MA | +MB | +HA | +HA | *L.monocytogenes* | + | 8071 | 2.16 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B19 | Maroilles cheese | PL1 | No | | +LA | +LA | +HA | +HB | *L.monocytogenes* | + | 8414 | 2.25 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B23 | Maroilles cheese | PL1 | No | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 9450 | 2.53 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| B24 | St Germain cheese | PL1 | No | | +LB | +LA | +HB | +HA | *L.monocytogenes* | + | 8512 | 2.28 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C8 | Epoisses cheese | PL1 | No | | +LA | +LA | +HA | +MB | *L.monocytogenes* | + | 7015 | 1.87 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C18 | Cambrai tomme cheese | PL1 | No | | +MA | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 11453 | 3.06 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| G1 | Morbier cheese | PL1 | No | | +MA | +MB | +HB | +HB | *L.monocytogenes* | + | 7924 | 2.01 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| P4 | Epoisses cheese | PL1 | No | | +HB | +HA | +HA | +MA | *L.monocytogenes* | + | 7342 | 1.85 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| P6 | Maroilles cheese | PL1 | No | | +LA | +HC | +HB | +HA | *L.monocytogenes* | + | 8008 | 2.02 | + | / | / | + par défaut | +MA | +MA | +HA | *L.monocytogenes* | + | PA |
| P7 | Maroilles cheese | PL1 | No | | +LB | +LB | +HB | +HB | *L.monocytogenes* | + | 7557 | 1.90 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |

## ***Dairy products - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| R21 | Boule du vinage cheese | PL1 | *No* | | +LB | +MB | +MB | +MB | *L.monocytogenes L.innocua* | + | 10129 | 2.60 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |
| L6 | Munster cheese | PL1 | *Yes* | *2.4* | +LA | +LB | +HA | +HA | *L.innocua* | + | -3 | 0.00 | - | 37 | 0.01 | - | Ø | Ø | Ø | / | - | ND |
| L5 | Camembert cheese | PL1 | *Yes* | *5* | Ø | +LA | +HA | +HA | *L.innocua* | + | 8 | 0.00 | - | 8002 | 3.55 | + | +HA | +HB | +HA | *L.innocua* | + | PA |
| L8 | Leerdamer cheese | PL1 | *Yes* | *10* | +HA | +MA | +HA | +HA | *L.innocua* | + | 6 | 0.00 | - | 7833 | 3.47 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| H1 | Grated Gruyère cheese | PL1 | *Yes* | *16.8* | Ø | Ø | Ø | -ME | / | - | 9 | 0.00 | - | 7931 | 3.39 | + | +HA | +HA | +HA | *L.innocua* | + | PD |
| C10 | Goat cheese | PL2 | *No* | | Ø | -LE | Ø | Ø | / | - | 1710 | 0.45 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PD |
| B8 | Roquefort creamy cheese | PL2 | *No* | | +LA(4) | +LA | -ME | +LB(1) | *L.monocytogenes* | + | 9049 | 2.42 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| B16 | Ossau Iraty cheese | PL2 | *No* | | Ø | +LB | -LE | -LE | *L.seeligeri* | + | 7636 | 2.04 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PA |
| B21 | Raw milk goat cheese | PL2 | *No* | | +LA | +LB | +HA | +HB | *L.monocytogenes L.innocua* | + | 11171 | 2.99 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| B22 | Raw milk goat cheese | PL2 | *No* | | +LA | +MC | +HA | +HA | *L.monocytogenes* | + | 7592 | 2.03 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.seeligeri* | + | PA |
| C9 | Petit vinageois Raw milk goat cheese | PL2 | *No* | | +MA | +MB | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 7301 | 1.95 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PA |
| P13 | Goat cheese | PL2 | *No* | | +HB | +MA | +HA | +MA | *L.welshimeri* | + | 10 | 0.00 | - | 7057 | 3.13 | + | +HA | +HA | +MA | *L.welshimeri* | + | PA |
| X18 | Goat cheese | PL2 | *No* | | +LA(1) | +LA(1) | +HA | +MA | *L.monocytogenes* | + | 412 | 0.10 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| X19 | Goat cheese | PL2 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 9755 | 2.52 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| N1 | Raw milk | PL3 | *No* | | +LA | +LB | +MA | +MA | *L.innocua* | + | 8 | 0.00 | - | 8082 | 3.59 | + | +HA | +HB | +HB | *L.innocua* | + | PA |
| N2 | Raw milk | PL3 | *No* | | +LA | +LA* | +MA | +MA* | *L.monocytogenes L.innocua* | + | 8371 | 2.11 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | + | PA |
| L12 | Raw milk | PL3 | *Yes* | *2.66* | +MB | +MB | +HB | +HB | *L.innocua* | + | 8 | 0.00 | - | 7722 | 3.43 | + | +HA | +HB | +HB | *L.innocua* | + | PA |
| J15 | Raw milk | PL3 | *Yes* | *7.5* | +LA(1) | +LA(2) | +MA | +MA | *L.innocua* | + | 6 | 0.00 | - | 7033 | 3.00 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| J19 | Milk powder | PL3 | *Yes* | *7.5* | Ø | Ø | Ø | Ø | / | - | 8 | 0.00 | - | 7246 | 3.09 | + | +HA | +HA | +MA | *L.innocua* | + | PD |
| J14 | Raw milk | PL3 | *Yes* | *3,4 et 5,0* | Ø | Ø | Ø | Ø | / | - | 6926 | 1.76 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| J16 | Raw milk | PL3 | *Yes* | *10* | +LA | +MA | +MA | +MA | *L.innocua* | + | 6 | 0.00 | - | 7156 | 3.05 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| J20 | Milk powder | PL3 | *Yes* | *10* | +LA | +LA | +HA | +HA | *L.innocua* | + | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| J17 | Raw milk | PL3 | *Yes* | *5,1 et 7,5* | Ø | Ø | Ø | Ø | / | - | 3054 | 0.77 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |

## ***Seafood products - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| G18 | Salmon steak | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| M18 | Black tiger prawns | PP1 | *No* | | Ø | -LE | Ø | -LE | / | - | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| M19 | Perch fillet | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| M20 | Pout fillet | PP1 | *No* | | Ø | Ø | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| M21 | Perch fillet | PP1 | *No* | | Ø | -ME | Ø | Ø | / | - | -2 | 0.00 | - | 28 | 0.01 | - | / | / | / | / | - | NA |
| M22 | Cod steak | PP1 | *No* | | Ø | -LE | Ø | -LE | / | - | -2 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| M23 | Shark steak | PP1 | *No* | | Ø | Ø | -LE | -ME | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| M25 | Scabbardfish fillet | PP1 | *No* | | Ø | -LE | Ø | Ø | / | - | -2 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| Q2 | Sea bream fillet | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q3 | Cod fillet | PP1 | *No* | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| Q4 | Scabbardfish fillet | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q9 | Mackerel fillets | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 33 | 0.01 | - | / | / | / | / | - | NA |
| Q21 | Frozen salmon steaks | PP1 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 42 | 0.01 | - | / | / | / | / | - | NA |
| Q22 | Frozen salmon steaks | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| R5 | Herring fillets | PP1 | *No* | | Ø | -LE | Ø | Ø | / | - | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| R10 | Prawns | PP1 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| R12 | Cod fillet | PP1 | *Yes* | *0.3* | Ø | -LE | Ø | -ME | / | - | -4 | 0.00 | - | 31 | 0.01 | - | / | / | / | / | - | NA |
| S2 | Prawns | PP1 | *Yes* | *1.6* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 21 | 0.00 | - | -LE | Ø | Ø | / | - | NA |
| G9 | Salmon offcuts | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 33 | 0.01 | - | / | / | / | / | - | NA |
| T8 | Smoked Atlantic salmon | PP2 | *Yes* | *0.8* | Ø | Ø | Ø | -ME | / | - | -3 | 0.00 | - | 20 | 0.00 | - | Ø | Ø | -ME | / | - | NA |
| T9 | Smoked halibut | PP2 | *Yes* | *0.4* | Ø | -LE | -LE | -ME | / | - | -2 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | / | - | NA |
| U4 | Smoked Alaskan pollock | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| U5 | Norwegian smoked salmon | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| U6 | Pyrenees smoked trout | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| U7 | Smoked salmon shreds | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| R9 | Kippers | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| I41 | Marinated herring fillets | PP3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| Q6 | Taramasalata | PP3 | *No* | | Ø | Ø | -LE | Ø | / | - | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| Q7 | Taramasalata | PP3 | *No* | | -LE | -LE | -LE | Ø | / | - | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| Q11 | White fish kebabs | PP3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q23 | Salt cod | PP3 | *No* | | Ø | -LE | Ø | Ø | / | - | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| G8 | Salmon steak | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | 7666 | 1.94 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | + | PD |
| I36 | Tuna steak | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | 10839 | 2.92 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| G5 | Salmon steak | PP1 | *No* | | PP1 | +LA | +HA | +HA | *L.monocytogenes* | + | 7909 | 2.00 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| I40 | Roasted fresh salmon | PP1 | *No* | | PP1 | +MA | +HA | +MB | *L.monocytogenes* | + | 7132 | 1.92 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| M14 | Panga fillet | PP1 | *No* | | PP1 | +MB | +MB | +MB | *L.monocytogenes* | + | 7718 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | + | PA |
| M17 | Cod fillet | PP1 | *No* | | PP1 | +LA | +MA | +MA | *L.monocytogenes* | + | 10072 | 2.54 | + | / | / | + par défaut | +HA | +HA* | +HB | *L.monocytogenes*<br>*L.innocua* | + | PA |
| M24 | Panga fillet | PP1 | *No* | | PP1 | +MB | +MA | +LB | *L.monocytogenes* | + | 7895 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | + | PA |
| M26 | Cod fillet | PP1 | *No* | | PP2 | +LA | Ø | +LA | *L.monocytogenes* | + | 7587 | 1.91 | + | / | / | + par défaut | +MA | +MA | +HA | *L.monocytogenes* | + | PA |
| Q5 | Cooked prawns | PP1 | *No* | | PP3 | +LB* | +MA | +MA* | *L.innocua*<br>*L.seeligeri* | + | 6 | 0.00 | - | 8195 | 3.59 | + | +MB | +MA | +MA | *L.innocua*<br>*L.seeligeri* | + | PA |
| R4 | Frozen salmon steaks | PP1 | *No* | | PP3 | +LA(1) | +MB | +MA | *L.monocytogenes* | + | 7470 | 1.92 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |

## ***Seafood products - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| R6 | Herring fillets | PP1 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 9266 | 2.38 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PA |
| R8 | Prawns | PP1 | *No* | | +LA | +MB* | +HA | +MA | *L.monocytogenes L.innocua* | + | 7510 | 1.93 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| U1 | Prawns | PP1 | *No* | | Ø | +LA | +MA | +HA | *L.seeligeri* | + | 7478 | 1.91 | + | / | / | + par défaut | / | +HA | +HB | *L.monocytogenes L.seeligeri* | + | PA |
| R14 | Salmon steak | PP1 | *Yes* | *0.1* | Ø | Ø | +MA | +LA | *L.innocua* | + | 1 | 0.00 | - | 9811 | 4.30 | + | +HA | +MA | +MA | *L.innocua* | + | PA |
| R13 | Coalfish fillet | PP1 | *Yes* | *0.2* | Ø | -LE | +LA | +LA | *L.innocua* | + | -1 | 0.00 | - | 10622 | 4.66 | + | +MA | +MA | +MB | *L.innocua* | + | PA |
| R15 | Langoustines | PP1 | *Yes* | *0.3* | Ø | Ø | +HA | +MA | *L.innocua* | + | 5 | 0.00 | - | 8188 | 3.59 | + | +HB | +HA | +MB | *L.innocua* | + | PA |
| S6 | Coalfish fillet | PP1 | *Yes* | *1.64* | Ø | Ø | +LA | +LB | *L.innocua* | + | -5 | 0.00 | - | 6045 | 2.69 | + | +MA | +MA | +HB | *L.innocua* | + | PA |
| S5 | Cod fillet | PP1 | *Yes* | *2.46* | Ø | Ø | Ø | -LE | / | - | 42 | 0.00 | - | 7984 | 3.55 | + | +HA | +HA | +HB | *L.innocua* | + | PD |
| S4 | Prawns | PP1 | *Yes* | *2.46* | +MA | +MA | +MB | +MB | *L.innocua* | + | 7 | 0.00 | - | 8144 | 3.62 | + | +HB | +HB | +HA | *L.innocua* | + | PA |
| M13 | Fish fillet | PP1 | *Yes* | *3.8* | PP1 | +LA(1) | +LA | +LA | *L.welshimeri* | + | -3 | 0.00 | - | 38 | 0.01 | - | +HA | +MA | +MA | *L.welshimeri* | - | ND FN alt |
| U2 | Prawns | PP1 | *Yes* | *4.4* | +LA | +LA | Ø | Ø | *L.innocua* | + | 7 | 0.00 | - | 7395 | 3.29 | + | / | +HA | +MB | *L.innocua* | + | PA |
| M16 | Scabbardfish fillet | PP1 | *Yes* | *4.8* | PP1 | +LA | +LA | +LA | *L.welshimeri* | + | -3 | 0.00 | - | 25 | 0.01 | - | +MB | +MA | +MB | *L.welshimeri* | - | ND FN alt |
| M15 | Dogfish | PP1 | *Yes* | *5.7* | PP1 | +LA | +MA | +MA | *L.welshimeri* | + | -2 | 0.00 | - | 22 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| I37 | Scottish smoked salmon | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | 7678 | 2.06 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PD |
| I39 | Smoked trout | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | 7340 | 1.97 | + | / | / | + par défaut | +HB | +HB | +HB | *L.monocytogenes* | + | PD |
| G6 | Salmon offcuts | PP2 | *No* | | Ø | +LA | +LB | +LB | *L.monocytogenes* | + | 7606 | 1.92 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes* | + | PA |
| G7 | Salmon offcuts | PP2 | *No* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes* | + | 8013 | 2.03 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes* | + | PA |
| G14 | Smoked salmon | PP2 | *No* | | +LA | +MB | +HA | +HA | *L.monocytogenes* | + | 7384 | 1.87 | + | / | / | + par défaut | +HA | +HB | +HA | *L.monocytogenes* | + | PA |
| G15 | Smoked salmon | PP2 | *No* | | +MA | +MB | +HA | +HA | *L.monocytogenes* | + | 7164 | 1.81 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| G16 | Smoked salmon | PP2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7539 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| G17 | Smoked salmon | PP2 | *No* | | +MA | +MA* | +HA* | +MA | *L.monocytogenes* | + | 7553 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I33 | Smoked trout | PP2 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 7762 | 2.09 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| I34 | Norwegian smoked salmon | PP2 | *No* | | +LB | +LA | +HA | +HA | *L.monocytogenes* | + | 7904 | 2.12 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I35 | Atlantic smoked salmon | PP2 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 7286 | 1.96 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I38 | Scottish smoked salmon | PP2 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7831 | 2.11 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| R3 | Salmon offcuts | PP2 | *No* | | Ø | +LA | Ø | +MA | *L.monocytogenes* | + | 7336 | 1.89 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| R7 | Smoked salmon | PP2 | *No* | | +LA | +LB | +HA | +MA | *L.monocytogenes* | + | 7428 | 1.91 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PA |
| S1 | Smoked haddock | PP2 | *No* | | Ø | +LA | +MA | +MB | *L.monocytogenes* | + | 5740 | 1.46 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| U8 | Aquitaine smoked trout | PP2 | *No* | | Ø | +LA(3) | +HA | +MA | *L.monocytogenes* | + | 7289 | 1.86 | + | / | / | + par défaut | / | +HA | +MA | *L.monocytogenes* | + | PA |
| U3 | Smoked trout | PP2 | *Yes* | *2.68* | Ø | Ø | Ø | Ø | / | - | 5 | 0.00 | - | 7665 | 3.41 | + | / | +HA | +HA | *L.innocua* | + | PD |
| S3 | Atlantic smoked salmon | PP2 | *Yes* | *2.46* | +HB | +MA | +MB | +MB | *L.innocua* | + | -3 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -LE | Ø | - | ND |
| Q1 | Salmon carpaccio | PP3 | *No* | | +LA | +LA | +HA | +HA* | *L.monocytogenes* | + | 7644 | 1.96 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| G12 | Salmon tartare | PP3 | *No* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | + | 8000 | 2.02 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| G13 | Salmon tartare | PP3 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 7278 | 1.84 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I42 | Fish à la bordelaise | PP3 | *No* | | +HA* | +MA* | +HA | +MA* | *L.monocytogenes* | + | 6647 | 1.79 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| Q8 | Marinated herring fillets | PP3 | *No* | | +LD | +MA | +HA | +MB | *L.monocytogenes* | + | 7680 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| Q12 | Salmon kebabs | PP3 | *No* | | +LB(1) | +LA | +HA | +MA | *L.monocytogenes* | + | 893 | 0.23 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | + | PA |
| R11 | Cod fritters | PP3 | *Yes* | *0.2* | Ø | Ø | +MA | +MA | *L.innocua* | + | 7 | 0.00 | - | 8064 | 3.53 | + | +HA | +HA | +HA | *L.innocua* | + | PA |

## ***Vegetal products - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| C4 | Frozen broccoli | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| C6 | Frozen potatoes and oignons | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | Ø | - | NA |
| B26 | Red cabbage | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| B27 | Grated celery | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| E13 | Mixed raw vegetables | PV1 | *No* | | Ø | -LE | Ø | -ME | / | - | -2 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| E14 | Grated celery | PV1 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E15 | Grated carots | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| E16 | Grated carots | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| E17 | Raw mushrooms | PV1 | *No* | | Ø | Ø | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E18 | Raw red cabbage | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E19 | Raw red cabbage | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 14 | 0.00 | - | / | / | / | / | - | NA |
| E20 | Raw mushrooms | PV1 | *No* | | Ø | -LE | -LE | -ME | / | - | -1 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| S18 | Mushrooms | PV1 | *No* | | Ø | -ME | Ø | -ME | / | - | -5 | 0.00 | - | 83 | 0.03 | - | Ø | -ME | -HE | / | - | NA |
| R16 | Cucumbers | PV1 | *Yes* | *< 0,1* | -LE | -ME | Ø | -ME | / | - | -4 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| R17 | Broccoli | PV1 | *Yes* | *< 0,1* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| R18 | Carots | PV1 | *Yes* | *< 0,1* | Ø | -LE | Ø | -ME | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| R20 | White cabbage | PV1 | *Yes* | *< 0,1* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| L125-2 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| L125-3 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| L125-4 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| L125-5 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | -LE | Ø | -LE | / | - | 1 | 0.00 | - | 78 | 0.03 | - | / | / | / | / | - | NA |
| E1 | Mixed salad | PV2 | *No* | | Ø | -LE | -LE | -LE | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| F13 | Oakleaf salad | PV2 | *No* | | -LE | Ø | -LE | Ø | / | - | -3 | 0.00 | - | 28 | 0.01 | - | / | / | / | / | - | NA |

## ***Vegetal products - Listeria spp***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| F14 | Mixed salad | PV2 | *No* | | -LE | -LE | -ME | -ME | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| Q19 | Salad | PV2 | *Yes* | *1.35* | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 21 | 0.00 | - | -LE | -ME | -ME | / | - | NA |
| R19 | Lamb's lettuce | PV2 | *Yes* | *< 0,1* | Ø | -ME | Ø | -ME | / | - | -2 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| C20 | Frozen fries | PV2 | *No* | | -LE | -LE | Ø | -LE | / | - | -5 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| C21 | Frozen fries | PV2 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F15 | Frozen fries | PV2 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| F16 | Frozen fries | PV2 | *No* | | Ø | -LE | Ø | -ME | / | - | -6 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| T2 | Frozen fries | PV2 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | -ME | / | - | NA |
| F17 | Mixed grated vegetables | PV3 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| B3 | Fried vegetables | PV3 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| E22 | Carot puree | PV3 | *No* | | Ø | Ø | -ME | Ø | / | - | -2 | 0.00 | - | 31 | 0.01 | - | / | / | / | / | - | NA |
| F12 | Cooked broccoli | PV3 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| U10 | Southern style fried vegetables | PV3 | *Yes* | *0.4* | Ø | -LE | -LE | -LE | / | - | -3 | 0.00 | - | 37 | 0.01 | - | / | / | / | / | - | NA |
| U11 | Country-style fried vegetables | PV3 | *Yes* | *0.5* | -LE | -ME | -HE | -HE | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| B7 | Frozen broccoli | PV1 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 7495 | 2.00 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| E21 | Green beans | PV1 | *No* | | +LA | +LA | +HA | +HA | *L.innocua* | + | 5 | 0.00 | - | 8395 | 3.22 | + | +HA | +MB | +HA | *L.innocua* | + | PA |
| S17 | Mushrooms | PV1 | *No* | | +LB(2) | -ME | +MA | +MA | *L.monocytogenes* | + | 7210 | 1.84 | + | / | / | + par défaut | +HA | +HB | +HB | *L.monocytogenes* | + | PA |
| Q18 | Red cabbage | PV1 | *Yes* | *2.2* | +LA | +LD | +HA | +MB | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | Ø | Ø | - | ND |
| L125-1 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | Ø | Ø | -LE | / | - | 25 | 0.00 | - | 2001 | 0.89 | + | / | +MA | +MB | *L.monocytogenes* | + | PD |
| S8 | Carots | PV1 | *Yes* | *4.92* | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | -4 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | -HE | / | - | ND |
| S9 | Mushrooms | PV1 | *Yes* | *4.92* | +LA(1) | Ø | +MA | +MA | *L.monocytogenes* | + | 788 | 0.20 | + | / | / | + par défaut | +MA | +HB | +MB | *L.monocytogenes* | + | PA |
| Q13 | Green beans | PV1 | *Yes* | *6.6* | +MA | +MA | +HA | +HA | *L.innocua* | + | 7 | 0.00 | - | 7214 | 3.16 | + | +HA | +HB | +HA | *L.innocua* | + | PA |
| Q20 | Mix carots, celery, peppers | PV1 | *Yes* | *6,6 et 1,4* | +LA | +LC | +HA | +MB | *L.innocua* | + | 47 | 0.01 | - | 7316 | 3.21 | + | +HA | +HA | +MB | *L.innocua* | + | PA |
| Q24 | Carots & cabbage | PV1 | *Yes* | *10,6 et 2,2* | +LA | +LB | +HA | +MB | *L.innocua* | + | 10 | 0.00 | - | 7299 | 3.20 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| B25 | Salad | PV2 | *No* | | +LA(1) | +LA(2) | +HB | +HA | *L.monocytogenes* | + | 3340 | 0.89 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B12 | Frozen fries | PV2 | *No* | | +LA | +LB | +HA | +HA | *L.monocytogenes* | + | 7984 | 2.13 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B20 | Frozen fried potatoes | PV2 | *No* | | +LB | +LA | +HB | +HA | *L.monocytogenes* | + | 8906 | 2.38 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes* | + | PA |
| C1 | Frozen fried potatoes | PV2 | *No* | | -LE | +LA | Ø | Ø | *L.grayi* | + | 6710 | 1.79 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C5 | Frozen fries | PV2 | *No* | | +MA | +MB | +MB | +MB | *L.monocytogenes* | + | 10757 | 2.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| P1 | Pre-cooked frozen fries | PV2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes*<br>*L.innocua* | + | 8606 | 2.17 | + | / | / | + par défaut | +LA | +HB | +MA | *L.monocytogenes* | + | PA |
| P2 | Frozen fries | PV2 | *No* | | +HA | +HA | +HA | +HA | *L.monocytogenes*<br>*L.innocua* | + | 7388 | 1.86 | + | / | / | + par défaut | +LA* | +HA | +MA | *L.monocytogenes*<br>*L.innocua* | + | PA |
| P3 | Traditional frozen fries | PV2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7314 | 1.84 | + | / | / | + par défaut | +HA | +HA* | +LA | *L.monocytogenes* | + | PA |
| R1 | Frozen fried potatoes | PV2 | *No* | | +MA | +MB | +HA | +MA | *L.monocytogenes* | + | 7417 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | + | PA |
| R2 | Frozen fries | PV2 | *No* | | +MB | +MB* | +HB | +MB | *L.monocytogenes*<br>*L.innocua* | + | 7667 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MB* | *L.monocytogenes* | + | PA |
| S10 | Frozen fries | PV2 | *No* | | +MA | +MB | +HA | +MA | *L.monocytogenes*<br>*L.innocua* | + | 6742 | 1.72 | + | / | / | + par défaut | +HA | +MB | +HB | *L.monocytogenes* | + | PA |

## ***Vegetal products - Listeria spp***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| CODE | MATRICES | Cat. | AC | CFU/25g | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| S11 | Frozen fried potatoes | PV2 | *No* | | +MA | +MB | +MA | +MA | *L.monocytogenes* | + | 10144 | 2.59 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | + | PA |
| T1 | Frozen fried potatoes | PV2 | *No* | | +MA | +MB* | +HA | +MB* | *L.monocytogenes L.innocua* | + | 4959 | 1.77 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |
| Q25 | Lamb's lettuce | PV2 | *Yes* | *2.2* | +LB | +LC | +MA | +MB | *L.monocytogenes* | + | 6752 | 1.73 | + | / | / | + par défaut | +HA | +HA | +MB* | *L.monocytogenes* | + | PA |
| Q17 | Spinach salad | PV2 | *Yes* | *6.6* | +LA | +LC | +MA | +MB | *L.innocua* | + | 11 | 0.00 | - | 7340 | 3.22 | + | +HA | +HA | +MB | *L.innocua* | + | PA |
| Q16 | Soya | PV2 | *Yes* | *10.6* | +LA | +LC | +HA | +MB | *L.innocua* | + | 45 | 0.01 | - | 6880 | 3.01 | + | +HA | +HA | +HB | *L.innocua* | + | PA |
| C3 | Spinach with cream | PV3 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 8753 | 2.34 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| T7 | Southern style fried vegetables | PV3 | *No* | | +HB | +LB | +HB | +HB* | *L.monocytogenes L.innocua* | + | 10711 | 2.73 | + | / | / | + par défaut | +HB | +HB | +HB | *L.monocytogenes L.innocua* | + | PA |
| U12 | Cauliflower - broccoli puree | PV3 | *No* | | +MA* | +MB* | +HB | +HB | *L.monocytogenes L.welshimeri* | + | 8592 | 2.19 | + | / | / | + par défaut | / | +HB* | +MA* | *L.monocytogenes L.welshimeri* | + | PA |
| V2 | Catalan style fried vegetables | PV3 | *No* | | +LA | +LB | +HA | +HB | *L.innocua* | + | 50 | 0.01 | - | 8213 | 2.87 | + | +HA | +HA | +MA | *L.innocua* | + | PA |
| U9 | Fried zucchini | PV3 | *Yes* | *0.3* | -LE | +MB | -LE | +MC | *L.seeligeri* | + | -5 | 0.00 | - | 23 | 0.01 | - | -ME | -LE | -ME | Ø | - | ND |
| V3 | Southern style fried vegetables | PV3 | *Yes* | *4.2* | +LA | +LB | +HA | +HB | *L.innocua* | + | 0 | 0.00 | - | 8562 | 3.00 | + | +HA | +HB | +HA | *L.innocua* | + | PA |
| V5 | Fried vegetables | PV3 | *Yes* | *4.2* | +MA | +LB | +HA | +MB | *L.innocua* | + | 1 | 0.00 | - | 8721 | 3.05 | + | +MA | +HB | +MB | *L.innocua* | + | PA |
| V6 | Vegetables puree | PV3 | *Yes* | *5.6* | +LA | +LA(3) | +HA | +HA | *L.innocua* | + | 50 | 0.01 | - | 8290 | 2.90 | + | +HA | +HA | +MA | *L.innocua* | + | PA |
| V4 | Country-style fried vegetables | PV3 | *Yes* | *7.2* | +LA | +LB | +HA | +HB | *L.innocua* | + | 55 | 0.01 | - | 8414 | 2.94 | + | +HA | +HB | +HB | *L.innocua* | + | PA |
| V7 | Cooked carots | PV3 | *Yes* | *7.2* | +MA | +MA | +HA | +MA | *L.innocua* | + | -3 | 0.00 | - | 7743 | 2.71 | + | +MA | +HA | +MA | *L.innocua* | + | PA |
| Q26 | Vegetables kebabs | PV3 | *Yes* | *6,6 et 1,4* | +LB | +LB | +HA | +MB | *L.innocua* | + | 11 | 0.00 | - | 8013 | 3.51 | + | +HA | +MA | +MB* | *L.innocua* | + | PA |
| S13 | Vegetables soup | PV3 | *Yes* | *10* | +LA(3) | +LA(1) | +HA | +MA | *L.monocytogenes* | + | 7741 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| S15 | Ratatouille | PV3 | *Yes* | *10* | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 6906 | 1.76 | + | / | / | + par défaut | +HA | +HB | +HA | *L.monocytogenes* | + | PA |
| S16 | Potato flakes | PV3 | *Yes* | *10* | +MB | +MB | +MA | +MA | *L.monocytogenes* | + | 7061 | 1.80 | + | / | / | + par défaut | +HA | +HB | +HB | *L.monocytogenes* | + | PA |
| T3 | Broccoli & cauliflower patties | PV3 | *No & Yes* | *21.5* | +MA | +MB | +MB* | +MB | *L.monocytogenes L.innocua* | + | 2659 | 0.67 | + | / | / | + par défaut | +HB | +HB* | +HB | *L.monocytogenes L.innocua* | + | PA |

## ***Composite foods - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| I9 | Hot Dog | C2 | *No* | | Ø | -LE | -LE | Ø | / | - | 0 | 0.00 | - | 61 | 0.02 | - | / | / | / | / | - | NA |
| I18 | Chicken pie | C2 | *Yes* | *1.56* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| B11 | Strawberry tart | C3 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| B29 | Strawberry tart | C3 | *No* | | Ø | Ø | -LE | -LE | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| B1 | Rice salad | C1 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7692 | 2.06 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B13 | Tagliatelle | C2 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7664 | 2.05 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B14 | Tagliatelle | C2 | *No* | | +MA | +MA | +MA | +HA | *L.monocytogenes* | + | 6953 | 1.86 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C2 | Farfale | C2 | *No* | | +LA | Ø | +MA* | +MA* | *L.monocytogenes* *L.innocua* | + | 6828 | 1.82 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| Q10 | Salmon paupiette with vegetables | C2 | *No* | | PP1 | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 3233 | 1.41 | + | +MA | +MA | +MA | *L.welshimeri* | + | PD |
| S7 | Cod fillet with vegetables | C2 | *Yes* | *1.64* | Ø | Ø | +HA | +MA | *L.innocua* | + | 6 | 0.00 | - | 7155 | 3.18 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| B5 | Profiteroles | C3 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 7825 | 2.09 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes* | + | PA |
| B9 | Profiteroles | C3 | *No* | | +MA | +MA | +HA* | +HA* | *L.monocytogenes* | + | 7370 | 1.97 | + | / | / | + par défaut | +HA* | +HA* | +HA* | *L.monocytogenes* | + | PA |
| C12 | Chantilly cream puff | C3 | *No* | | +MA | +HA | +MA* | +MA* | *L.monocytogenes* *L.innocua* | + | 7981 | 2.13 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes* *L.innocua* | + | PA |
| P5 | Cream puff | C3 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7382 | 1.86 | + | / | / | + par défaut | +MA* | +MA* | +MA | *L.monocytogenes* | + | PA |
| C13 | Cream cake | C3 | *No* | | +LA | +LB | Ø | -ME | *L.grayi* | + | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | ND |
| L11 | Strawberry vanilla ice-cream | C3 | *Yes* | *4.5* | +MA | +MA | +HA | +HA | *L.innocua* | + | 37 | 0.00 | - | 7690 | 3.41 | + | +HA | +HB | +MA | *L.welshimeri* | + | PA |
| J28 | Strawberry ice-cream | C3 | *Yes* | *5* | Ø | Ø | Ø | Ø | / | - | 6 | 0.00 | - | 7544 | 3.32 | + | +HA | +HA | +HA | *L.innocua* | + | PD |
| J29 | Vanilla ice-cream | C3 | *Yes* | *7.5* | +LA | +LA | +HA | +HA | *L.innocua* | + | 5 | 0.00 | - | 7311 | 3.12 | + | +HA | +HB | +MA | *L.innocua* | + | PA |
| L9 | Normandy tart | C3 | *Yes* | *8.7* | +HA | +HA | +HA | +HA | *L.innocua* | + | 7 | 0.00 | - | 7718 | 3.42 | + | +HA | +HA | +MA | *L.innocua* | + | PA |
| J22 | Strawberry melba | C3 | *Yes* | *10* | +LA(1) | +LB(1) | +HA | +HB | *L.innocua* | + | 46 | 0.01 | - | 6805 | 2.90 | + | +HB | +HA | +MA | *L.innocua* | + | PA |
| J21 | Chantilly cream puff | C3 | *Yes* | *5,1 et 7,5* | +MA | +MA | +HA | +MA | *L.monocytogenes* *L.innocua* | + | 6697 | 1.70 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes* *L.innocua* | + | PA |

## *Environmental samples - Listeria spp*

| CODE | MATRICES | Cat. | *AC* | *CFU/25g* | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| G19 | Waste waters | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| G20 | Standing water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| G22 | Water from rinsing container | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 14 | 0.00 | - | / | / | / | / | - | NA |
| G23 | Water | EN1 | *No* | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| H9 | Washing basin | EN1 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| H10 | Residual water | EN1 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| H11 | Doser rinsing water | EN1 | *Yes* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| H12 | Standing water from storage room | EN1 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| J10 | Residual water from facility | EN1 | *No* | | -LE | -LE | -ME | -ME | / | - | -3 | 0.00 | - | 29 | 0.01 | - | / | / | / | / | - | NA |
| J11 | Residual water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| J12 | Washing machine water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| J13 | Washing machine water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| M29 | Puddle of water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| M30 | Residual water | EN1 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 28 | 0.01 | - | / | / | / | / | - | NA |
| M31 | Standing water from storage container | EN1 | *No* | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| M32 | Water from rinsing container outlet | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| M33 | Water on ground | EN1 | *No* | | Ø | Ø | -LE | Ø | / | - | -4 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| C16 | Sponge from fish cutting | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -5 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| C17 | Slicer sponge | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| D21 | Wipe from cheese-slicing machine | EN2 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| D22 | Wipe from cheese knife | EN2 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 51 | 0.01 | - | / | / | / | / | - | NA |
| D24 | Surface fish knife | EN2 | *No* | | -LE | -LE | -ME | -ME | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| F19 | Surface of serrated butcher's knife | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| F20 | Meat preparation board surface | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| F21 | Surface slicing machine | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 27 | 0.00 | - | / | / | / | / | - | NA |
| F22 | Surface of ham slicing machine | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |

# ***Environmental samples - Listeria spp***

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| F23 | Surface of cold meats knife | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F24 | Surface of roasting spit | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| G24 | Swab from ground drainage channel | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| G26 | Cheese counter board surface | EN2 | *No* | | Ø | -LE | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| J8 | Ground surface in butcher's facility | EN2 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| J9 | Surface of butcher's cutting table | EN2 | *Yes* | | Ø | Ø | -LE | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| J30 | Surface of stainless steel table in butcher's facility | EN2 | *Yes* | | Ø | Ø | -LE | -ME | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| O16 | Surface of slicer in cold meats facility | EN2 | *Yes* | | -LE | -LE | -LE | -LE | / | - | 4 | 0.00 | - | 22 | 0.00 | - | Ø | -LE | -LE | / | - | NA |
| O17 | Surface in cold store for cheese | EN2 | *Yes* | | Ø | -LE | Ø | -ME | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I29 | Residues from cheese counter | EN3 | *No* | | Ø | -LE | -LE | -ME | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| I30 | Residues from cheese counter | EN3 | *No* | | Ø | Ø | Ø | Ø | / | - | -1 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I31 | Residue from floor of production hall | EN3 | *No* | | Ø | Ø | -LE | Ø | / | - | -7 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| O2 | Residues from cheese counter | EN3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| P10 | Residues from cold meats counter | EN3 | *No* | | -LE | -LE | -ME | -ME | / | - | -3 | 0.00 | - | 26 | 0.01 | - | -LE | -ME | -ME | / | - | NA |
| P14 | Residues from cheese facility | EN3 | *No* | | Ø | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 26 | 0.01 | - | Ø | -LE | Ø | / | - | NA |
| F18 | Water from U-bend in butcher's facility | EN1 | *No* | | +LA | +LA | +HA | +MA* | *L.monocytogenes* | + | 8612 | 2.30 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| G21 | Washing machine water | EN1 | *No* | | +LA | +LA* | +HA | +MA* | *L.monocytogenes L.innocua* | + | 6190 | 1.57 | + | / | / | + par défaut | +MA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| O20 | Water from cooling tower | EN1 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 6578 | 1.66 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| H13 | Water from light rinsing | EN1 | *Yes* | 4 et 0 | Ø | Ø | Ø | -LE | / | - | 5 | 0.00 | - | 7485 | 3.20 | + | +LB | +HB | +HA | *L.Innocua L.seeligeri* | + | PD |
| O18 | Water from rinsing container filter outlet | EN1 | *Yes* | 6.5 | +LA | +LA | +MA | +MB | *L.innocua* | + | 7 | 0.00 | - | 7165 | 3.18 | + | +MB | +MA | +HB | *L.innocua* | + | PA |
| H7 | Water from final rinsing | EN1 | *Yes* | 8.0 | Ø | Ø | Ø | Ø | / | - | 8 | 0.00 | - | 7098 | 3.03 | + | +HA | +HA | +HA | *L.seeligeri* | + | PD |
| M27 | Rinsing water | EN1 | *Yes* | 7 et 3,8 | +MA | +LA | +MA* | +MB* | *L.monocytogenes L.innocua* | + | 8365 | 2.11 | + | / | / | + par défaut | +HA | +HB* | +HA* | *L.monocytogenes* | + | PA |
| G27 | Surface of cold meats knife | EN2 | *No* | | Ø | -LE | -LE | -LE | / | - | 20 | 0.00 | - | 7541 | 2.89 | + | +HA | +HA | +HA | *L.welshimeri* | + | PD |
| O3 | Cold meats counter knife | EN2 | *No* | | +LB | -ME | +HB | +MB | *L.monocytogenes* | + | -4 | 0.00 | - | 20 | 0.00 | - | Ø | -LE | -ME | / | - | ND |
| B28 | Sponge from top mat on scales | EN2 | *No* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | + | 7794 | 2.08 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| D23 | Swab from sausage production line | EN2 | *No* | | +HA | +HA | +MA | +MA | *L.monocytogenes* | + | 6829 | 1.73 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| F25 | Surface of cold meat slicing machine | EN2 | *No* | | +HA | +MA | +MA* | +MA* | *L.innocua* | + | -2 | 0.00 | - | 9958 | 3.63 | + | +LA | +LA | +LA | *L.innocua* | + | PA |
| G25 | Surface of cheese knife | EN2 | *No* | | +LA | +LB | +HA | +HA | *L.monocytogenes* | + | 7500 | 1.90 | + | / | / | + par défaut | +HA | +MB | +MA | *L.monocytogenes* | + | PA |
| G28 | Ground surface in fish-cutting facility | EN2 | *No* | | +MA | +MB | +HA | +MB | *L.monocytogenes* | + | 1974 | 0.50 | + | / | / | + par défaut | -ME | +MA | +LA | *L.monocytogenes* | + | PA |
| J7 | Cheese counter knife | EN2 | *No* | | +HA* | +MA* | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 698 | 0.17 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PA |
| O1 | Sponge from surface of pastries stand | EN2 | *No* | | +LA | +LA* | +HA | +HA | *L.monocytogenes L.innocua* | + | 7370 | 1.86 | + | / | / | + par défaut | +MA* | +HA* | +HA | *L.monocytogenes L.innocua* | + | PA |
| O4 | Surface in cold store for meats | EN2 | *No* | | +LA | +LA* | +HA* | +MA* | *L.monocytogenes L.innocua* | + | 7977 | 2.01 | + | / | / | + par défaut | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| O5 | Swab from fries production line | EN2 | *No* | | +MA | +MA | +HA* | +MA* | *L.monocytogenes* | + | 7329 | 1.85 | + | / | / | + par défaut | +MA | +MA | +MA* | *L.monocytogenes* | + | PA |
| P9 | Sponge from transfer belt | EN2 | *No* | | +HA | +MB | +HB | +HB | *L.monocytogenes* | + | 7155 | 1.80 | + | / | / | + par défaut | +MA | +MB | +HA | *L.monocytogenes* | + | PA |
| H16 | Surface of dirty service lift | EN2 | *Yes* | 0.1 | -LE | -LE | +HA | +HA | *L.innocua* | + | -3 | 0.00 | - | 7329 | 3.13 | + | -LE | +HB | +MD | *L.innocua* | + | PA |
| J1 | Surface of stainless steel table in pastries facility | EN2 | *Yes* | *0,2 et 0,4* | Ø | Ø | -ME | -ME | / | - | 14 | 0.00 | - | 8251 | 3.51 | + | +HA | +HA | +HB | *L.innocua* | + | PD |
| J4 | Cheese counter knife | EN2 | *Yes* | 0.8 | +LA | +LA | +MA | +MA | *L.innocua* | + | 23 | 0.00 | - | 7926 | 3.38 | + | +HA | +HA | +HA | *L.innocua* | + | PA |

## ***Environmental samples - Listeria spp***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| J5 | Saw blade from butcher's stand | EN2 | *Yes* | 1.2 | +LA(3) | +LA | +MA | +MA | *L.innocua* | + | 9 | 0.00 | - | 8075 | 3.45 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| J2 | Surface of slicer in butcher's facility | EN2 | *Yes* | *0,4 et 0,8* | Ø | Ø | +MA | +MA | *L.innocua* | + | 12 | 0.00 | - | 7932 | 3.40 | + | +HA | +HA | +HA | *L.innocua* | + | PA |
| J6 | Surface of freezer in pastries facility | EN2 | *Yes* | 1.6 | +LA(2) | -LE | +MA | +MA | *L.innocua* | + | 13 | 0.00 | - | 7773 | 3.32 | + | +HA | +HA | +MA | *L.innocua* | + | PA |
| J3 | Cheese counter board surface | EN2 | *Yes* | 0,6 et 1,2 | +LA | +LB | +MA* | +MB | *L.monocytogenes* | + | 10732 | 2.73 | + | / | / | + par défaut | +HA* | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| O13 | Stainless steel shelf surface in cold store | EN2 | *Yes* | 6.5 | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 7105 | 1.79 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| I32 | Bone dust | EN3 | *No* | | Ø | Ø | Ø | Ø | / | - | 3 | 0.00 | - | 9928 | 3.89 | + | +MA | +HA | +MA | *L.welshimeri L.innocua* | + | PD |
| I43 | Residue from cutting counter | EN3 | *No* | | Ø | Ø | Ø | Ø | / | - | 6691 | 1.80 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | + | PD |
| C14 | Residue from production line | EN3 | *No* | | +MA | +MA | +MB | +MB | *L.monocytogenes* | + | 9830 | 2.63 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| C15 | Residue from dirty containers | EN3 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7455 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| O6 | Residue from fries storage container | EN3 | *No* | | +MA | +MB | +HA* | +MB* | *L.monocytogenes L.innocua* | + | 7109 | 1.79 | + | / | / | + par défaut | +HA | +MA* | +MA | *L.monocytogenes L.innocua* | + | PA |
| O7 | Residue from meat-cutting board | EN3 | *No* | | +MA | +MA | +MA* | +MA* | *L.monocytogenes* | + | 7368 | 1.86 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes* | + | PA |
| O8 | Residue from packaging facility | EN3 | *No* | | +MA | +MA | +MA | +MB | *L.monocytogenes* | + | 7372 | 1.86 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| O9 | Residue from meat-cutting facility | EN3 | *No* | | +MA | +MA | +MA | +MA | *L.monocytogenes* | + | 7273 | 1.83 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | + | PA |
| P11 | Residue from fish counter | EN3 | *No* | | Ø | +LB | Ø | Ø | *L.monocytogenes* | + | 7353 | 1.85 | + | / | / | + par défaut | -LE | +HA | +MB | *L.monocytogenes* | + | PA |
| P12 | Scales for fish | EN3 | *No* | | Ø | +LB | +MA | +MA* | *L.monocytogenes* | + | 7188 | 1.81 | + | / | / | + par défaut | -LE | +MA | +MB | *L.monocytogenes* | + | PA |
| O15 | Residue from packaging container | EN3 | *Yes* | <1 | +MA | +MB | +MA | +LB | *L.monocytogenes* | + | 4128 | 1.04 | + | / | / | + par défaut | +MA | +MA | +MB | *L.monocytogenes* | + | PA |
| O14 | Residue from sink in cutting facility | EN3 | *Yes* | 9.7 | +MA | +MB | +MA | +LB | *L.monocytogenes* | + | 47 | 0.01 | - | 1906 | 0.84 | + | +LA | +LB | -LE | *L.monocytogenes* | + | PA |
| H14 | Residue from machine filter | EN3 | *Yes* | 16.0 | +LA | +LA | +HA | +HA | *L.seeligeri* | + | 82 | 0.02 | - | 6872 | 2.93 | + | +HA | +HB | +MB | *L.seeligeri* | + | PA |

## *Meat products - Listeria monocytogenes*

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| E12 | Lamb kebab | PC1 | No | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| F1 | Tournedos | PC1 | No | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F3 | Horse meat fillet | PC1 | No | | Ø | Ø | Ø | Ø | / | - | 0 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| F4 | Pork chop | PC1 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| F5 | Rump steak | PC1 | No | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F6 | Rib steak | PC1 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| M1 | Lamb kidneys | PC1 | No | | Ø | -ME | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| M6 | Chicken breasts | PC1 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| M11 | Kidneys | PC1 | No | | Ø | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| W14 | Minced horse meat | PC1 | No | | Ø | Ø | Ø | -LE | / | - | 22 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| T15 | Tomato burger | PC1 | No | | Ø | Ø | Ø | Ø | / | - | 11 | 0.00 | - | 7048 | 3.13 | + | +HA | +HA | +MB | *L.innocua* | - | NA |
| E10 | Lean bourguignon beef | PC1 | No | | +LA | +LA | +MA | +MA | *L.welshimeri* | - | 8 | 0.00 | - | 7812 | 3.00 | + | +HA | +HA | +HA | *L.welshimeri* | - | NA |
| I21 | Pork kidneys | PC1 | No | | +LA* | +LA* | +HA* | +LA* | *L.welshimeri*<br>*L.innocua* | - | 26 | 0.00 | - | 6924 | 2.96 | + | +MB | +MA* | +MA* | *L.welshimeri*<br>*L.innocua* | - | NA |
| T16 | Veal | PC1 | No | | +LA(1) | -LE | +HB | +MB | *L.welshimeri* | - | 9 | 0.00 | - | 8603 | 3.83 | + | +MA | +MA* | +MD | *L.welshimeri* | - | NA |
| T10 | Minced beef burger with oignons | PC1 | No | | +LA(3) | +LB | +HB | +MA | *L.innocua* | - | 9 | 0.00 | - | 8008 | 3.56 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| V16 | Tomato burger | PC1 | No | | Ø | Ø | +HA | +MA | *L.welshimeri* | - | 27 | 0.00 | - | 7573 | 2.65 | + | +HA | +HA* | +MA | *L.welshimeri* | - | NA |
| K1 | Minced pork loin | PC1 | Yes | *4.11* | +LA | +LA | +MA | +MA | *L.innocua* | - | 27 | 0.00 | - | 7824 | 3.34 | + | +HA | +HA | +HB | *L.innocua* | - | NA |
| K2 | Chicken gizzard | PC1 | Yes | *5.5* | +HA | +MA | +HA | +MA | *L.innocua* | - | 7 | 0.00 | - | 7930 | 3.39 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| M2 | Minced meat | PC1 | Yes | *5.7* | Ø | +LA | +MA | +LA | *L.innocua* | - | -3 | 0.00 | - | 4646 | 2.06 | + | +MA | +LA | +MA | *L.innocua* | - | NA |
| K6 | Pork chop | PC1 | Yes | *12* | +MA | +MA | +HA | +MA | *L.welshimeri* | - | 169 | 0.04 | - | 6845 | 2.92 | + | +HA | +HB | +HA | *L.welshimeri* | - | NA |
| I19 | Beef steak | PC1 | Yes | *<1* | +MA | +MA | +HA | +MA | *L.welshimeri* | - | 172 | 0.04 | - | 6293 | 2.69 | + | +MA | +MA | +MA | *L.welshimeri* | - | NA |
| F2 | Tomato & basil chipolata sausages | PC2 | No | | -LE | Ø | -LE | Ø | / | - | -4 | 0.00 | - | 39 | 0.01 | - | / | / | / | / | - | NA |
| M3 | Blood sausage | PC2 | No | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| M12 | Blood sausage | PC2 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 16 | 0.00 | - | / | / | / | / | - | NA |
| V12 | Tomato stuffing | PC2 | No | | -LE | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 16 | 0.00 | - | / | / | / | / | - | NA |
| V18 | Bolognese minced meat | PC2 | No | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 33 | 0.01 | - | / | / | / | / | - | NA |
| M10 | Pâté with pastry crust | PC2 | No | | Ø | Ø | -LE | Ø | / | - | -2 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I14 | Rabbit terrine | PC2 | Yes | *1.17* | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 30 | 0.01 | - | / | / | / | / | - | NA |
| L1 | Tuscan minced pork | PC2 | Yes | *2.3* | Ø | +LA | +HA | +MA | *L.welshimeri* | - | -3 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | / | - | NA |
| K7 | Jellied tongue | PC2 | Yes | *14.4* | +MA | +MA | +HA | +HA | *L.welshimeri* | - | 15 | 0.00 | - | 7794 | 3.33 | + | +HA | +HA | +HA | *L.welshimeri* | - | NA |
| K8 | Potjevlesch potted meat | PC2 | Yes | *16.8* | +HA | +HA | +HA | +MA | *L.welshimeri* | - | -2 | 0.00 | - | 7565 | 3.23 | + | +MB | +MB | +MA | *L.welshimeri* | - | NA |
| I17 | Duck pâté | PC2 | Yes | *<1* | -LE | Ø | -ME | Ø | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| K10 | Meat pâté | PC2 | Yes | *5,5 et 9,6* | +HA* | +HA* | +HA | +MA* | *L.innocua*<br>*L.welshimeri* | - | 5 | 0.00 | - | 7740 | 3.30 | + | +HA | +HB | +HB* | *L.innocua*<br>*L.welshimeri* | - | NA |
| F9 | Country srtyle pâté | PC3 | No | *I14* | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 50 | 0.01 | - | / | / | / | / | - | NA |
| F10 | Cured ham | PC3 | No | *I17* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| C26 | Forestier pâté | PC3 | No | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| E5 | Country srtyle pâté | PC3 | No | | Ø | -LE | Ø | Ø | / | - | -4 | 0.00 | - | 38 | 0.01 | - | / | / | / | / | - | NA |
| E6 | Strasbourg sausages | PC3 | No | | -LE | Ø | -LE | Ø | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E8 | Country srtyle pâté | PC3 | No | | Ø | -LE | Ø | -ME | / | - | -2 | 0.00 | - | 44 | 0.01 | - | / | / | / | / | - | NA |
| F11 | Liver pâté | PC3 | No | | Ø | Ø | -ME | -LE | / | - | -4 | 0.00 | - | 54 | 0.01 | - | / | / | / | / | - | NA |
| I6 | Garlic sausage | PC3 | No | | Ø | Ø | -ME | -LE | / | - | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| I7 | Pâté with shallots | PC3 | No | | Ø | Ø | -ME | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| M7 | Cervelas sausage | PC3 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| M9 | Ham | PC3 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| T14 | Liver pâté | PC3 | No | | Ø | -LE | Ø | Ø | / | - | -4 | 0.00 | - | 28 | 0.01 | - | Ø | Ø | -LE | / | - | NA |
| D8 | Cured ham | PC3 | No | | +MA | +MA | +MA | +MA | *L.welshimeri* | - | 61 | 0.01 | - | 7666 | 2.94 | + | +HA | +HA | +HA | *L.welshimeri* | - | NA |
| T17 | Spreadable sausage | PC3 | No | | +MA | +MA* | +HB | +MA | *L.innocua*<br>*L.welshimeri* | - | 9 | 0.00 | - | 7075 | 3.15 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| X16 | Lardons | PC3 | No | | +LA | +LA | +MA | +MA | *L.innocua* | - | 1 | 0.00 | - | 7853 | 2.75 | + | +MA | +HA | +HA | *L.innocua* | - | NA |
| L3 | Rillettes | PC3 | Yes | *0.3* | +LA | +LA | +HA | +HA | *L.ivanovii* | - | -3 | 0.00 | - | 38 | 0.01 | - | Ø | Ø | Ø | / | - | NA |
| L4 | Chicken rillettes | PC3 | Yes | *0.6* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| I15 | Farmhouse liver pâté | PC3 | Yes | *0.78* | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| L2 | Strasbourg sausages | PC3 | Yes | *1.8* | +LA | +LA | +HA | +HA | *L.welshimeri* | - | 8 | 0.00 | - | 7975 | 3.54 | + | +HA | +HA | +HA | *L.welshimeri* | - | NA |
| K3 | Mortadella sausage | PC3 | Yes | *6.8* | +LA | +MB | +HA | +HA | *L.innocua* | - | 29 | 0.00 | - | 7682 | 3.28 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| K5 | Ham | PC3 | Yes | *9.6* | +MA | +MA | +HA | +MA | *L.welshimeri* | - | 8 | 0.00 | - | 7880 | 3.38 | + | +HA | +HA | +HB | *L.welshimeri* | - | NA |
| I20 | Ham roulade | PC3 | Yes | *<1* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I16 | Country pâté | PC3 | Yes | *<1* | +MA | +MA | +HA | +MA | *L.welshimeri* | - | 6 | 0.00 | - | 7054 | 3.01 | + | +MA | +HA | +MA | *L.welshimeri* | - | NA |
| K9 | Bayonne ham | PC3 | Yes | *6,8 et 12* | +MA* | +MA | +HA | +MA* | *L.innocua*<br>*L.welshimeri* | - | 7 | 0.00 | - | 7821 | 3.34 | + | +HA | +HA | +HA* | *L.innocua*<br>*L.welshimeri* | - | NA |

# *Meat products - Listeria monocytogenes*

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| D7 | Beef minced meat | PC1 | *No* | | Ø | Ø | Ø | Ø | / | - | 199 | 0.05 | + | / | / | + par défaut | +LA | +LA | +LA | *L.monocytogenes* | + | PD |
| C23 | Beef heart | PC1 | *No* | | +MA | +MB | +MA | +MA | *L.monocytogenes* | + | 7363 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| D1 | Turkey kebab | PC1 | *No* | | +LA* | +LA* | +MA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 1474 | 0.37 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | PA |
| D2 | Chicken wings | PC1 | *No* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes L.innocua* | + | 10982 | 2.78 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |
| E2 | Minced meat | PC1 | *No* | | +LA | +LA(2) | +MA | +MA | *L.monocytogenes* | + | 7515 | 1.90 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PA |
| E3 | Minced meat | PC1 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 8260 | 2.09 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| E7 | Minced meat | PC1 | *No* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | + | 7980 | 2.02 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| M4 | Chicken thighs | PC1 | *No* | | +LA | +LA* | +MA* | +MA* | *L.monocytogenes L.welshimeri L.innocua* | + | 6 | 0.00 | - | 8155 | 3.62 | + | +MA | +HA | +MA | *L.monocytogenes L.welshimeri L.innocua* | + | ND FN alt |
| T11 | Fillet of duck breast | PC1 | *No* | | Ø | Ø | +HA | +HB | *L.monocytogenes L.innocua* | + | 9390 | 2.39 | + | / | / | + par défaut | +HA | +MA* | +HA | *L.monocytogenes L.innocua* | + | PA |
| T19 | Turkey kebab | PC1 | *No* | | +LA(4) | +HD | +MA | +MA* | *L.monocytogenes L.innocua* | + | 10155 | 2.59 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes L.innocua* | + | PA |
| V8 | Frozen minced beef burger | PC1 | *No* | | +LB | +LB | +HA | +MA | *L.monocytogenes* | + | 7871 | 2.03 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes L.innocua* | + | PA |
| V9 | Fillet of duck breast | PC1 | *No* | | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | 9836 | 2.54 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| V14 | Chicken fillet | PC1 | *No* | | Ø | Ø | +HA | +MA | *L.welshimeri* | + | 1934 | 0.50 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes L.welshimeri* | + | PD |
| K4 | Bovine meat | PC1 | *No & Yes* | *NC mono 8,2 inno* | +LA | +LA | +HA | +MA | *L.monocytogenes L.innocua* | + | 252 | 0.06 | + | / | / | + par défaut | +HA | +HA | +HA* | *L.monocytogenes L.innocua* | + | PA |
| D10 | Minced meat | PC1 | *No* | | +LA(4) | +LA*(2) | +HA* | +HA* | *L.monocytogenes L.innocua* | + | 1339 | 0.33 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes L.innocua* | + | PA |
| I13 | Fillet of duck breast | PC1 | *No* | | +LA* | +LA* | +HA* | +MA* | *L.monocytogenes L.innocua* | + | 9599 | 2.44 | + | / | / | + par défaut | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| I8 | Hamburger | PC1 | *No* | | +LA | +MA | +HB | +MA | *L.monocytogenes* | + | 7818 | 1.99 | + | / | / | + par défaut | +MA | +HB | +MA | *L.monocytogenes* | + | PA |
| D9 | Minced meat with herbs | PC2 | *No* | | +LA* | +LA* | +MA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 5372 | 1.36 | + | / | / | + par défaut | +HA | +HA* | +HB* | *L.monocytogenes L.innocua* | + | PA |
| G4 | Texane barbecued pork | PC2 | *No* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes* | + | 9331 | 2.36 | + | / | / | + par défaut | +MA* | +MB | +MA | *L.monocytogenes L.innocua* | + | PA |
| G10 | Pork belly with herbs | PC2 | *No* | | +HA | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | + | 7937 | 2.01 | + | / | / | + par défaut | +MA* | +HA* | +MA* | *L.monocytogenes* | + | PA |
| G11 | Spiced pork belly | PC2 | *No* | | +HA* | +HA* | +HA | +MA* | *L.monocytogenes* | + | 9639 | 2.44 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| I10 | Jellied tongue | PC2 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | ND |
| I11 | Pig's head pâté | PC2 | *No* | | +MA | +MB* | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 10504 | 2.67 | + | / | / | + par défaut | +HA* | +HA* | +HA* | *L.monocytogenes L.innocua* | + | PA |
| T18 | Jellied tongue | PC2 | *No* | | +LB | +LC | +MB | +MA* | *L.monocytogenes* | + | 7159 | 1.82 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes* | + | PA |
| V13 | Grilled ham | PC2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7299 | 1.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| M8 | Merguez sausage | PC3 | *No* | | +HB | +HB | +MB | +MB | *L.monocytogenes L.innocua* | + | 9253 | 2.33 | + | / | / | + par défaut | +HB | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| D11 | Andouillette sausage | PC3 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 7809 | 1.98 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | + | PA |
| E9 | Chipolata sausage with olives | PC3 | *No* | | +LA | +LB | +LB | +MA* | *L.monocytogenes L.welshimeri L.innocua* | + | 452 | 0.11 | + | / | / | + par défaut | +MA* | +MA* | +MA* | *L.monocytogenes L.welshimeri L.innocua* | + | PA |
| E11 | Toulouse sausage | PC3 | *No* | | +LA* | +LA* | +HA | +HA* | *L.monocytogenes L.innocua* | + | 3134 | 0.79 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | + | PA |
| F7 | Chipolata sausage | PC3 | *No* | | +MA* | +MA* | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 10480 | 2.80 | + | / | / | + par défaut | +HA* | +MB* | +MB | *L.monocytogenes L.innocua* | + | PA |
| F8 | Merguez sausage | PC3 | *No* | | +MB | +LA | +HA | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 9529 | 2.54 | + | / | / | + par défaut | +HB | +HB | +HA | *L.monocytogenes L.innocua L.welshimeri* | + | PA |
| C19 | Chipolata sausage | PC3 | *No* | | -LE | -LE | Ø | Ø | / | - | 8633 | 2.31 | + | / | / | + par défaut | +HA | +HB | +MB | *L.monocytogenes L.welshimeri* | + | PD |
| B30 | Sausage | PC3 | *No* | | +HA | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | + | 8627 | 2.31 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| D3 | Merguez sausage | PC3 | *No* | | +MA* | +MB* | +HA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 10263 | 2.60 | + | / | / | + par défaut | +HA | +HA* | +HB | *L.monocytogenes L.innocua L.welshimeri* | + | PA |

## ***Meat products - Listeria monocytogenes***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| D4 | Merguez sausage | PC3 | *No* | | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | 592 | 0.15 | + | / | / | + par défaut | +HA* | +MA* | +MB* | *L.monocytogenes L.innocua* | + | PA |
| D6 | Chipolata sausage | PC3 | *No* | | Ø | Ø | +HC | +MB | *L.monocytogenes* | + | 9036 | 2.29 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes L.innocua* | + | PA |
| V10 | Strasbourg sausages | PC3 | *No* | | Ø | -LE | Ø | Ø | / | - | 7711 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| D5 | Lardons | PC3 | *No* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | + | 8706 | 2.20 | + | / | / | + par défaut | +HA | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| G3 | Paris style cooked ham | PC3 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7946 | 2.01 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| I12 | Knuckle of ham | PC3 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 8991 | 2.29 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| T12 | Smoked lardons | PC3 | *No* | | +LA(2) | +MA | +HA* | +MA* | *L.monocytogenes L.welshimeri* | + | 10064 | 2.57 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.welshimeri* | + | PA |
| T13 | Spreadable sausage | PC3 | *No* | | +MA* | +MA* | +HB | +MA* | *L.monocytogenes L.welshimeri* | + | 9739 | 2.48 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes L.welshimeri* | + | PA |
| V11 | Smoked lardons | PC3 | *No* | | Ø | +LA | +HA | +HA | *L.welshimeri* | + | 7529 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.welshimeri* | + | PD |
| V15 | Smoked pork belly | PC3 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 6943 | 1.79 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PA |
| V17 | Lardons | PC3 | *No* | | +LA | +LB | +MA | +MA | *L.monocytogenes L.welshimeri* | + | 9735 | 2.52 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.welshimeri* | + | PA |
| W15 | Lardons | PC3 | *No* | | +LA | +LA | +HA | +HB | *L.monocytogenes* | + | 7707 | 1.99 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| X17 | Smoked pork belly | PC3 | *No* | | +LA(2) | +LA | +HA | +MA | *L.monocytogenes* | + | 9129 | 2.36 | + | / | / | + par défaut | +MB | +HA | +HB | *L.monocytogenes* | + | PA |
| M5 | Rosette dried sausage | PC3 | *Yes* | *7 mono 3,8 inno* | +HA(2) | +MA | +MA | +MB | *L.monocytogenes L.innocua* | + | 8149 | 2.05 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |

## *Dairy products - Listeria monocytogenes*

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| B17 | Maroilles cheese | PL1 | *No* | | -LE | -LE | -ME | Ø | / | - | -2 | 0.00 | - | 31 | 0.01 | - | / | / | / | / | - | NA |
| C22 | Epoisses cheese | PL1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 32 | 0.01 | - | / | / | / | / | - | NA |
| C25 | Maroilles cheese | PL1 | *No* | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| D12 | Coulommiers cheese | PL1 | *No* | | Ø | Ø | Ø | Ø | / | - | -1 | 0.00 | - | 44 | 0.01 | - | / | / | / | / | - | NA |
| D13 | Maroilles cheese | PL1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| D15 | Camembert cheese | PL1 | *No* | | Ø | -LE | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| D16 | Reblochon cheese | PL1 | *No* | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| D17 | Reblochon cheese | PL1 | *No* | | Ø | -ME | Ø | -ME | / | - | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| D18 | Neufchâtel cheese | PL1 | *No* | | -ME | -ME | -ME | Ø | / | - | -3 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| D19 | Langres cheese | PL1 | *No* | | Ø | Ø | Ø | Ø | / | - | 1 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| G2 | Morbier cheese | PL1 | *No* | | Ø | -ME | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| I5 | Brie cheese | PL1 | *No* | | Ø | -ME | -LE | -ME | / | - | 6 | 0.00 | - | 230 | 0.09 | - | / | / | / | / | - | NA |
| C7 | Cow raw milk cheese | PL1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 9209 | 3.25 | + | +HA | +LA | +LB | *L.seeligeri* | - | NA |
| D14 | Munster cheese | PL1 | *No* | | Ø | -ME | Ø | Ø | / | - | 0 | 0.00 | - | 592 | 0.22 | + | +MB | +MA | +MB | *L.innocua* | - | NA |
| L6 | Munster cheese | PL1 | *Yes* | *2.4* | +LA | +LB | +HA | +HA | *L.innocua* | - | -3 | 0.00 | - | 37 | 0.01 | - | Ø | Ø | Ø | / | - | NA |
| L5 | Camembert cheese | PL1 | *Yes* | *5* | Ø | +LA | +HA | +HA | *L.innocua* | - | 8 | 0.00 | - | 8002 | 3.55 | + | +HA | +HB | +HA | *L.innocua* | - | NA |
| L8 | Leerdamer cheese | PL1 | *Yes* | *10* | +HA | +MA | +HA | +HA | *L.innocua* | - | 6 | 0.00 | - | 7833 | 3.47 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| H1 | Grated Gruyère cheese | PL1 | *Yes* | *16.8* | Ø | Ø | Ø | -ME | / | - | 9 | 0.00 | - | 7931 | 3.39 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| H2 | Vieux pâné cheese | PL1 | *Yes* | *33.6* | Ø | +LA(1) | +MA | +MA | *L.innocua* | - | 116 | 0.02 | - | 7460 | 3.18 | + | +HB | +HB | +HB | *L.innocua* | - | NA |
| I22 | Brie cheese | PL1 | *Yes* | *34.5* | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 27 | 0.01 | - | / | / | / | / | - | NA |
| H5 | Reblochon cheese | PL1 | *Yes* | *50.4* | +LA | +LB | +HA | +HA | *L.innocua* | - | 14 | 0.00 | - | 7932 | 3.39 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| H4 | Brie cheese | PL1 | *Yes* | *56* | Ø | -ME | Ø | -LE | / | - | -3 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| H6 | Reblochon cheese | PL1 | *Yes* | *84* | Ø | -LE | Ø | -LE | / | - | -5 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| L7 | Double cream cheese | PL1 | *Yes* | *10 et 8,7* | +HA* | +HA* | +HA | +HA | *L.innocua* | - | 8 | 0.00 | - | 7837 | 3.48 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| I3 | Roquefort cheese | PL2 | *No* | | Ø | -LE | Ø | Ø | / | - | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| B10 | Roquefort creamy cheese | PL2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| B15 | Rond du vinage cheese | PL2 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 27 | 0.00 | - | / | / | / | / | - | NA |
| C11 | Carré du vinage cheese | PL2 | *No* | | -LE | -LE | Ø | Ø | / | - | 0 | 0.00 | - | 103 | 0.03 | - | / | / | / | / | - | NA |
| C24 | Picodon cheese | PL2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| D20 | Goat cheese | PL2 | *No* | | Ø | -LE | Ø | -ME | / | - | -1 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| I4 | Crottin goat cheese | PL2 | *No* | | Ø | Ø | Ø | -LE | / | - | 103 | 0.02 | - | 99 | 0.04 | - | / | / | / | / | - | NA |
| P8 | Farm made chevrotin cheese | PL2 | *No* | | Ø | -LE | -ME | -ME | / | - | -2 | 0.00 | - | 25 | 0.01 | - | Ø | Ø | Ø | Ø | - | NA |
| V1 | Goat cheese log | PL2 | *No* | | Ø | -LE | Ø | -ME | / | - | -4 | 0.00 | - | 90 | 0.03 | - | / | / | / | / | - | NA |
| W16 | Goat cheese | PL2 | *No* | | Ø | Ø | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| P13 | Goat cheese | PL2 | *No* | | +HB | +MA | +HA | +MA | *L.welshimeri* | - | 10 | 0.00 | - | 7057 | 3.13 | + | +HA | +HA | +MA | *L.welshimeri* | - | NA |
| H3 | Ossau Iraty cheese | PL2 | *Yes* | *28* | -LE | -LE | -LE | -ME | / | - | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| J23 | Raw milk | PL3 | *No* | | Ø | Ø | -LE | -LE | / | - | -2 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| J24 | Raw milk | PL3 | *No* | | Ø | Ø | -LE | -ME | / | - | -3 | 0.00 | - | 27 | 0.01 | - | / | / | / | / | - | NA |
| J25 | Raw milk | PL3 | *No* | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| J26 | Raw milk | PL3 | *No* | | Ø | Ø | -ME | -ME | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| J27 | Raw milk | PL3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 36 | 0.01 | - | / | / | / | / | - | NA |
| E4 | Chocolate flavored fresh cheese | PL3 | *No* | | Ø | Ø | -ME | -LE | / | - | -3 | 0.00 | - | 14 | 0.00 | - | / | / | / | / | - | NA |
| I1 | 0% white cheese | PL3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I2 | 20% white cheese | PL3 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| N1 | Raw milk | PL3 | *No* | | +LA | +LB | +MA | +MA | *L.innocua* | - | 8 | 0.00 | - | 8082 | 3.59 | + | +HA | +HB | +HB | *L.innocua* | - | NA |
| I28 | Raw milk | PL3 | *Yes* | *0.5* | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| I24 | Milk powder | PL3 | *Yes* | *0.66* | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 29 | 0.01 | - | / | / | / | / | - | NA |
| I27 | Raw milk | PL3 | *Yes* | *0.82* | -LE | Ø | -LE | Ø | / | - | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| L12 | Raw milk | PL3 | *Yes* | *2.66* | +MB | +MB | +HB | +HB | *L.innocua* | - | 8 | 0.00 | - | 7722 | 3.43 | + | +HA | +HB | +HB | *L.innocua* | - | NA |
| J15 | Raw milk | PL3 | *Yes* | *7.5* | +LA(1) | +LA(2) | +MA | +MA | *L.innocua* | - | 6 | 0.00 | - | 7033 | 3.00 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| J19 | Milk powder | PL3 | *Yes* | *7.5* | Ø | Ø | Ø | Ø | / | - | 8 | 0.00 | - | 7246 | 3.09 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| J16 | Raw milk | PL3 | *Yes* | *10* | +LA | +MA | +MA | +MA | *L.innocua* | - | 6 | 0.00 | - | 7156 | 3.05 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| J20 | Milk powder | PL3 | *Yes* | *10* | +LA | +LA | +HA | +HA | *L.innocua* | - | -3 | 0.00 | - | 23 | 0.00 | - | Ø | Ø | Ø | / | - | NA |
| I23 | Milk powder | PL3 | *Yes* | *27.6* | Ø | Ø | Ø | Ø | / | - | 1 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| I26 | Raw milk | PL3 | *Yes* | *34.5* | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| I25 | Milk powder | PL3 | *Yes* | *0,5 mono 20.7 inno* | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |

## ***Dairy products - Listeria monocytogenes***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| B2 | Maroilles cheese | PL1 | *No* | | +LB | +LA | +HB | +MA | *L.monocytogenes* | + | 7049 | 1.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B4 | Farm made Maroilles cheese | PL1 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 8091 | 2.16 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| B6 | Maroilles cheese | PL1 | *No* | | +LB | +LB | +HA | +HA | *L.monocytogenes* | + | 8772 | 2.35 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes* | + | PA |
| B18 | Epoisses cheese | PL1 | *No* | | +MA | +MB | +HA | +HA | *L.monocytogenes* | + | 8071 | 2.16 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B19 | Maroilles cheese | PL1 | *No* | | +LA | +LA | +HA | +HB | *L.monocytogenes* | + | 8414 | 2.25 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B23 | Maroilles cheese | PL1 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 9450 | 2.53 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| B24 | St Germain cheese | PL1 | *No* | | +LB | +LA | +HB | +HA | *L.monocytogenes* | + | 8512 | 2.28 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C8 | Epoisses cheese | PL1 | *No* | | +LA | +LA | +HA | +MB | *L.monocytogenes* | + | 7015 | 1.87 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C18 | Cambrai tomme cheese | PL1 | *No* | | +MA | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 11453 | 3.06 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| G1 | Morbier cheese | PL1 | *No* | | +MA | +MB | +HB | +HB | *L.monocytogenes* | + | 7924 | 2.01 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| P4 | Epoisses cheese | PL1 | *No* | | +HB | +HA | +HA | +MA | *L.monocytogenes* | + | 7342 | 1.85 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| P6 | Maroilles cheese | PL1 | *No* | | +LA | +HC | +HB | +HA | *L.monocytogenes* | + | 8008 | 2.02 | + | / | / | + par défaut | +MA | +MA | +HA | *L.monocytogenes* | + | PA |
| P7 | Maroilles cheese | PL1 | *No* | | +LB | +LB | +HB | +HB | *L.monocytogenes* | + | 7557 | 1.90 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| R21 | Boule du vinage cheese | PL1 | *No* | | +LB | +MB | +MB | +MB | *L.monocytogenes L.innocua* | + | 10129 | 2.60 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |
| C10 | Goat cheese | PL2 | *No* | | Ø | -LE | Ø | Ø | / | - | 1710 | 0.45 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PD |
| B8 | Roquefort creamy cheese | PL2 | *No* | | +LA(4) | +LA | -ME | +LB(1) | *L.monocytogenes* | + | 9049 | 2.42 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| B16 | Ossau Iraty cheese | PL2 | *No* | | Ø | +LB | -LE | -LE | *L.seeligeri* | + | 7636 | 2.04 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PD |
| B21 | Raw milk goat cheese | PL2 | *No* | | +LA | +LB | +HA | +HB | *L.monocytogenes L.innocua* | + | 11171 | 2.99 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| B22 | Raw milk goat cheese | PL2 | *No* | | +LA | +MC | +HA | +HA | *L.monocytogenes* | + | 7592 | 2.03 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.seeligeri* | + | PA |
| C9 | Petit vinageois Raw milk goat cheese | PL2 | *No* | | +MA | +MB | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 7301 | 1.95 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PA |
| X18 | Goat cheese | PL2 | *No* | | +LA(1) | +LA(1) | +HA | +MA | *L.monocytogenes* | + | 412 | 0.10 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| X19 | Goat cheese | PL2 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 9755 | 2.52 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| N2 | Raw milk | PL3 | *No* | | +LA | +LA* | +MA | +MA* | *L.monocytogenes L.innocua* | + | 8371 | 2.11 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | + | PA |
| J14 | Raw milk | PL3 | *Yes* | *3,4 mono 5,0 inno* | Ø | Ø | Ø | Ø | / | - | 6926 | 1.76 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| J17 | Raw milk | PL3 | *Yes* | *5,1 mono 7,5 inno* | Ø | Ø | Ø | Ø | / | - | 3054 | 0.77 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PD |
| J18 | Milk powder | PL3 | *Yes* | *5,1 mono 7,5 inno* | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | 6915 | 1.76 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PA |

# *Seafood products - Listeria monocytogenes*

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| G18 | Salmon steak | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| M18 | Black tiger prawns | PP1 | *No* | | Ø | -LE | Ø | -LE | / | - | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| M19 | Perch fillet | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| M20 | Pout fillet | PP1 | *No* | | Ø | Ø | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| M21 | Perch fillet | PP1 | *No* | | Ø | -ME | Ø | Ø | / | - | -2 | 0.00 | - | 28 | 0.01 | - | / | / | / | / | - | NA |
| M22 | Cod steak | PP1 | *No* | | Ø | -LE | Ø | -LE | / | - | -2 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| M23 | Shark steak | PP1 | *No* | | Ø | Ø | -LE | -ME | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| M25 | Scabbardfish fillet | PP1 | *No* | | Ø | -LE | Ø | Ø | / | - | -2 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| Q2 | Sea bream fillet | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q3 | Cod fillet | PP1 | *No* | | Ø | -LE | Ø | Ø | / | - | -5 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| Q4 | Scabbardfish fillet | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q9 | Mackerel fillets | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 33 | 0.01 | - | / | / | / | / | - | NA |
| Q21 | Frozen salmon steaks | PP1 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 42 | 0.01 | - | / | / | / | / | - | NA |
| Q22 | Frozen salmon steaks | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| R5 | Herring fillets | PP1 | *No* | | Ø | -LE | Ø | Ø | / | - | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| R10 | Prawns | PP1 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| Q5 | Cooked prawns | PP1 | *No* | | PP3 | +LB* | +MA | +MA* | *L.innocua L.seeligeri* | - | 6 | 0.00 | - | 8195 | 3.59 | + | +MB | +MA | +MA | *L.innocua L.seeligeri* | - | NA |
| R14 | Salmon steak | PP1 | *Yes* | *0.1* | Ø | Ø | +MA | +LA | *L.innocua* | - | 1 | 0.00 | - | 9811 | 4.30 | + | +HA | +MA | +MA | *L.innocua* | - | NA |
| R13 | Coalfish fillet | PP1 | *Yes* | *0.2* | Ø | -LE | +LA | +LA | *L.innocua* | - | -1 | 0.00 | - | 10622 | 4.66 | + | +MA | +MA | +MB | *L.innocua* | - | NA |
| R15 | Langoustines | PP1 | *Yes* | *0.3* | Ø | Ø | +HA | +MA | *L.innocua* | - | 5 | 0.00 | - | 8188 | 3.59 | + | +HB | +HA | +MB | *L.innocua* | - | NA |
| S6 | Coalfish fillet | PP1 | *Yes* | *1.64* | Ø | Ø | +LA | +LB | *L.innocua* | - | -5 | 0.00 | - | 6045 | 2.69 | + | +MA | +MA | +HB | *L.innocua* | - | NA |
| S5 | Cod fillet | PP1 | *Yes* | *2.46* | Ø | Ø | Ø | -LE | / | - | 42 | 0.00 | - | 7984 | 3.55 | + | +HA | +HA | +HB | *L.innocua* | - | NA |
| S4 | Prawns | PP1 | *Yes* | *2.46* | +MA | +MA | +MB | +MB | *L.innocua* | - | 7 | 0.00 | - | 8144 | 3.62 | + | +HB | +HB | +HA | *L.innocua* | - | NA |
| M13 | Fish fillet | PP1 | *Yes* | *3.8* | PP1 | +LA(1) | +LA | +LA | *L.welshimeri* | - | -3 | 0.00 | - | 38 | 0.01 | - | +HA | +MA | +MA | *L.welshimeri* | - | NA |
| U2 | Prawns | PP1 | *Yes* | *4.4* | +LA | +LA | Ø | Ø | *L.innocua* | - | 7 | 0.00 | - | 7395 | 3.29 | + | / | +HA | +MB | *L.innocua* | - | NA |
| M16 | Scabbardfish fillet | PP1 | *Yes* | *4.8* | PP1 | +LA | +LA | +LA | *L.welshimeri* | - | -3 | 0.00 | - | 25 | 0.01 | - | +MB | +MA | +MB | *L.welshimeri* | - | NA |
| M15 | Dogfish | PP1 | *Yes* | *5.7* | PP1 | +LA | +MA | +MA | *L.welshimeri* | - | -2 | 0.00 | - | 22 | 0.00 | - | Ø | Ø | Ø | / | - | NA |
| R12 | Cod fillet | PP1 | *Yes* | *0.3* | Ø | -LE | Ø | -ME | / | - | -4 | 0.00 | - | 31 | 0.01 | - | / | / | / | / | - | NA |
| S2 | Prawns | PP1 | *Yes* | *1.6* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 21 | 0.00 | - | -LE | Ø | Ø | / | - | NA |
| G9 | Salmon offcuts | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 33 | 0.01 | - | / | / | / | / | - | NA |
| U4 | Smoked Alaskan pollock | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| U5 | Norwegian smoked salmon | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| U6 | Pyrenees smoked trout | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| U7 | Smoked salmon shreds | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| S3 | Atlantic smoked salmon | PP2 | *Yes* | *2.46* | PP1 | +MA | +MB | +MB | *L.innocua* | - | -3 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -LE | Ø | - | NA |
| U3 | Smoked trout | PP2 | *Yes* | *2.68* | Ø | Ø | Ø | Ø | / | - | 5 | 0.00 | - | 7665 | 3.41 | + | / | +HA | +HA | *L.innocua* | - | NA |
| T9 | Smoked halibut | PP2 | *Yes* | *0.4* | Ø | -LE | -LE | -ME | / | - | -2 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | / | - | NA |
| T8 | Smoked Atlantic salmon | PP2 | *Yes* | *0.8* | Ø | Ø | Ø | -ME | / | - | -3 | 0.00 | - | 20 | 0.00 | - | Ø | Ø | -ME | / | - | NA |
| R9 | Kippers | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| I41 | Marinated herring fillets | PP3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| Q6 | Taramasalata | PP3 | *No* | | Ø | Ø | -LE | Ø | / | - | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| Q7 | Taramasalata | PP3 | *No* | | -LE | -LE | -LE | Ø | / | - | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| Q11 | White fish kebabs | PP3 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q23 | Salt cod | PP3 | *No* | | Ø | -LE | Ø | Ø | / | - | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| R11 | Cod fritters | PP3 | *Yes* | *0.2* | Ø | Ø | +MA | +MA | *L.innocua* | - | 7 | 0.00 | - | 8064 | 3.53 | + | +HA | +HA | +HA | *L.innocua* | - | NA |

## *Seafood products - Listeria monocytogenes*

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| G8 | Salmon steak | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | 7666 | 1.94 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | + | PD |
| I36 | Tuna steak | PP1 | *No* | | Ø | Ø | Ø | Ø | / | - | 10839 | 2.92 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PD |
| G5 | Salmon steak | PP1 | *No* | | PP1 | +LA | +HA | +HA | *L.monocytogenes* | + | 7909 | 2.00 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| I40 | Roasted fresh salmon | PP1 | *No* | | PP1 | +MA | +HA | +MB | *L.monocytogenes* | + | 7132 | 1.92 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| M14 | Panga fillet | PP1 | *No* | | PP1 | +MB | +MB | +MB | *L.monocytogenes* | + | 7718 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | + | PA |
| M17 | Cod fillet | PP1 | *No* | | PP1 | +LA | +MA | +MA | *L.monocytogenes* | + | 10072 | 2.54 | + | / | / | + par défaut | +HA | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| M24 | Panga fillet | PP1 | *No* | | PP1 | +MB | +MA | +LB | *L.monocytogenes* | + | 7895 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | + | PA |
| M26 | Cod fillet | PP1 | *No* | | PP2 | +LA | Ø | +LA | *L.monocytogenes* | + | 7587 | 1.91 | + | / | / | + par défaut | +MA | +MA | +HA | *L.monocytogenes* | + | PA |
| R4 | Frozen salmon steaks | PP1 | *No* | | PP3 | +LA(1) | +MB | +MA | *L.monocytogenes* | + | 7470 | 1.92 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| R6 | Herring fillets | PP1 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 9266 | 2.38 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PA |
| R8 | Prawns | PP1 | *No* | | +LA | +MB* | +HA | +MA | *L.monocytogenes L.innocua* | + | 7510 | 1.93 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| U1 | Prawns | PP1 | *No* | | Ø | +LA | +MA | +HA | *L.seeligeri* | + | 7478 | 1.91 | + | / | / | + par défaut | / | +HA | +HB | *L.monocytogenes L.seeligeri* | + | PD |
| I37 | Scottish smoked salmon | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | 7678 | 2.06 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | + | PD |
| I39 | Smoked trout | PP2 | *No* | | Ø | Ø | Ø | Ø | / | - | 7340 | 1.97 | + | / | / | + par défaut | +HB | +HB | +HB | *L.monocytogenes* | + | PD |
| G6 | Salmon offcuts | PP2 | *No* | | Ø | +LA | +LB | +LB | *L.monocytogenes* | + | 7606 | 1.92 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes* | + | PA |
| G7 | Salmon offcuts | PP2 | *No* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes* | + | 8013 | 2.03 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes* | + | PA |
| G14 | Smoked salmon | PP2 | *No* | | +LA | +MB | +HA | +HA | *L.monocytogenes* | + | 7384 | 1.87 | + | / | / | + par défaut | +HA | +HB | +HA | *L.monocytogenes* | + | PA |
| G15 | Smoked salmon | PP2 | *No* | | +MA | +MB | +HA | +HA | *L.monocytogenes* | + | 7164 | 1.81 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | + | PA |
| G16 | Smoked salmon | PP2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7539 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| G17 | Smoked salmon | PP2 | *No* | | +MA | +MA* | +HA* | +MA | *L.monocytogenes* | + | 7553 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I33 | Smoked trout | PP2 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 7762 | 2.09 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| I34 | Norwegian smoked salmon | PP2 | *No* | | +LB | +LA | +HA | +HA | *L.monocytogenes* | + | 7904 | 2.12 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I35 | Atlantic smoked salmon | PP2 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 7286 | 1.96 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I38 | Scottish smoked salmon | PP2 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7831 | 2.11 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| R3 | Salmon offcuts | PP2 | *No* | | Ø | +LA | Ø | +MA | *L.monocytogenes* | + | 7336 | 1.89 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| R7 | Smoked salmon | PP2 | *No* | | +LA | +LB | +HA | +MA | *L.monocytogenes* | + | 7428 | 1.91 | + | / | / | + par défaut | +HA | +MA | +HA | *L.monocytogenes* | + | PA |
| S1 | Smoked haddock | PP2 | *No* | | Ø | +LA | +MA | +MB | *L.monocytogenes* | + | 5740 | 1.46 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| U8 | Aquitaine smoked trout | PP2 | *No* | | Ø | +LA(3) | +HA | +MA | *L.monocytogenes* | + | 7289 | 1.86 | + | / | / | + par défaut | / | +HA | +MA | *L.monocytogenes* | + | PA |
| Q1 | Salmon carpaccio | PP3 | *No* | | PP2 | +LA | +HA | +HA* | *L.monocytogenes* | + | 7644 | 1.96 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| G12 | Salmon tartare | PP3 | *No* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | + | 8000 | 2.02 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| G13 | Salmon tartare | PP3 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 7278 | 1.84 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| I42 | Fish à la bordelaise | PP3 | *No* | | +HA* | +MA* | +HA | +MA* | *L.monocytogenes* | + | 6647 | 1.79 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| Q8 | Marinated herring fillets | PP3 | *No* | | +LD | +MA | +HA | +MB | *L.monocytogenes* | + | 7680 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| Q12 | Salmon kebabs | PP3 | *No* | | +LB(1) | +LA | +HA | +MA | *L.monocytogenes* | + | 893 | 0.23 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | + | PA |

## *Vegetal products - Listeria monocytogenes*

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| C4 | Frozen broccoli | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| C6 | Frozen potatoes and oignons | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | -ME | Ø | - | NA |
| B26 | Red cabbage | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| B27 | Grated celery | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| E13 | Mixed raw vegetables | PV1 | *No* | | Ø | -LE | Ø | -ME | / | - | -2 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| E14 | Grated celery | PV1 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E15 | Grated carots | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| E16 | Grated carots | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| E17 | Raw mushrooms | PV1 | *No* | | Ø | Ø | Ø | -ME | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E18 | Raw red cabbage | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| E19 | Raw red cabbage | PV1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 14 | 0.00 | - | / | / | / | / | - | NA |
| E20 | Raw mushrooms | PV1 | *No* | | Ø | -LE | -LE | -ME | / | - | -1 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| S18 | Mushrooms | PV1 | *No* | | Ø | -ME | Ø | -ME | / | - | -5 | 0.00 | - | 83 | 0.03 | - | Ø | -ME | -HE | / | - | NA |
| E21 | Green beans | PV1 | *No* | | +LA | +LA | +HA | +HA | *L.innocua* | - | 5 | 0.00 | - | 8395 | 3.22 | + | +HA | +MB | +HA | *L.innocua* | - | NA |
| L125-2 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| L125-3 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 26 | 0.01 | - | / | / | / | / | - | NA |
| L125-4 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| L125-5 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | -LE | Ø | -LE | / | - | 1 | 0.00 | - | 78 | 0.03 | - | / | / | / | / | - | NA |
| Q13 | Green beans | PV1 | *Yes* | *6.6* | +MA | +MA | +HA | +HA | *L.innocua* | - | 7 | 0.00 | - | 7214 | 3.16 | + | +HA | +HB | +HA | *L.innocua* | - | NA |
| Q14 | Carots-oignons | PV1 | *Yes* | *13.2* | +LA | +MC | +HA | +MB | *L.innocua* | - | 3 | 0.00 | - | 8353 | 3.66 | + | +HA | +MA | +MB | *L.innocua* | - | NA |
| R16 | Cucumbers | PV1 | *Yes* | *< 0,1* | -LE | -ME | Ø | -ME | / | - | -4 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| R17 | Broccoli | PV1 | *Yes* | *< 0,1* | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| R18 | Carots | PV1 | *Yes* | *< 0,1* | Ø | -LE | Ø | -ME | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| R20 | White cabbage | PV1 | *Yes* | *< 0,1* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| Q24 | Carots & cabbage | PV1 | *Yes* | *10,6 et 2,2* | +LA | +LB | +HA | +MB | *L.innocua* | - | 10 | 0.00 | - | 7299 | 3.20 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| Q20 | Mix carots, celery, peppers | PV1 | *Yes* | *6,6 et 1,4* | +LA | +LC | +HA | +MB | *L.innocua* | - | 47 | 0.01 | - | 7316 | 3.21 | + | +HA | +HA | +MB | *L.innocua* | - | NA |
| T5 | Frozen mushrooms | PV1 | *Yes* | *ND* | +LA | +LB | +LA | +MA | *L.seeligeri* | - | 6 | 0.00 | - | 8270 | 3.68 | + | +MA | +MA | +MB | *L.seeligeri* | - | NA |
| C20 | Frozen fries | PV2 | *No* | | -LE | -LE | Ø | -LE | / | - | -5 | 0.00 | - | 24 | 0.00 | - | / | / | / | / | - | NA |
| C21 | Frozen fries | PV2 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F15 | Frozen fries | PV2 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| F16 | Frozen fries | PV2 | *No* | | Ø | -LE | Ø | -ME | / | - | -6 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| T2 | Frozen fries | PV2 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | -ME | / | - | NA |
| E1 | Mixed salad | PV2 | *No* | | Ø | -LE | -LE | -LE | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| F13 | Oakleaf salad | PV2 | *No* | | -LE | Ø | -LE | Ø | / | - | -3 | 0.00 | - | 28 | 0.01 | - | / | / | / | / | - | NA |
| F14 | Mixed salad | PV2 | *No* | | -LE | -LE | -ME | -ME | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| Q19 | Salad | PV2 | *Yes* | *1.35* | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 21 | 0.00 | - | -LE | -ME | -ME | / | - | NA |
| Q17 | Spinach salad | PV2 | *Yes* | *6.6* | +LA | +LC | +MA | +MB | *L.innocua* | - | 11 | 0.00 | - | 7340 | 3.22 | + | +HA | +HA | +MB | *L.innocua* | - | NA |
| Q16 | Soya | PV2 | *Yes* | *10.6* | +LA | +LC | +HA | +MB | *L.innocua* | - | 45 | 0.01 | - | 6880 | 3.01 | + | +HA | +HA | +HB | *L.innocua* | - | NA |
| Q15 | Catalan salad mix | PV2 | *Yes* | *10.6* | +LA | +LC | +HA | +MB | *L.innocua* | - | 14 | 0.00 | - | 7276 | 3.19 | + | +HA | +HA | +MB | *L.innocua* | - | NA |
| R19 | Lamb's lettuce | PV2 | *Yes* | *< 0,1* | Ø | -ME | Ø | -ME | / | - | -2 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| F17 | Mixed grated vegetables | PV3 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| B3 | Fried vegetables | PV3 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| E22 | Carot puree | PV3 | *No* | | Ø | Ø | -ME | Ø | / | - | -2 | 0.00 | - | 31 | 0.01 | - | / | / | / | / | - | NA |
| F12 | Cooked broccoli | PV3 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| V2 | Catalan style fried vegetables | PV3 | *No* | | +LA | +LB | +HA | +HB | *L.innocua* | - | 50 | 0.01 | - | 8213 | 2.87 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| U9 | Fried zucchini | PV3 | *Yes* | *0.3* | -LE | +MB | -LE | +MC | *L.seeligeri* | - | -5 | 0.00 | - | 23 | 0.01 | - | -ME | -LE | -ME | Ø | - | NA |
| U11 | Country-style fried vegetables | PV3 | *Yes* | *0.5* | -LE | -ME | -HE | -HE | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| V3 | Southern style fried vegetables | PV3 | *Yes* | *4.2* | +LA | +LB | +HA | +HB | *L.innocua* | - | 0 | 0.00 | - | 8562 | 3.00 | + | +HA | +HB | +HA | *L.innocua* | - | NA |
| V5 | Fried vegetables | PV3 | *Yes* | *4.2* | +MA | +LB | +HA | +MB | *L.innocua* | - | 1 | 0.00 | - | 8721 | 3.05 | + | +MA | +HB | +MB | *L.innocua* | - | NA |
| V6 | Vegetables puree | PV3 | *Yes* | *5.6* | +LA | +LA(3) | +HA | +HA | *L.innocua* | - | 50 | 0.01 | - | 8290 | 2.90 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| V4 | Country-style fried vegetables | PV3 | *Yes* | *7.2* | +LA | +LB | +HA | +HB | *L.innocua* | - | 55 | 0.01 | - | 8414 | 2.94 | + | +HA | +HB | +HB | *L.innocua* | - | NA |
| V7 | Cooked carots | PV3 | *Yes* | *7.2* | +MA | +MA | +HA | +MA | *L.innocua* | - | -3 | 0.00 | - | 7743 | 2.71 | + | +MA | +HA | +MA | *L.innocua* | - | NA |
| T4 | Celery cake | PV3 | *Yes* | *30* | +MA | +MA | +LA | +MA | *L.seeligeri* | - | 6 | 0.00 | - | 8141 | 3.62 | + | +HB | +HA | +MA | *L.seeligeri* | - | NA |
| U10 | Southern style fried vegetables | PV3 | *Yes* | *0.4* | Ø | -LE | -LE | -LE | / | - | -3 | 0.00 | - | 37 | 0.01 | - | / | / | / | / | - | NA |
| Q26 | Vegetables kebabs | PV3 | *Yes* | *6,6 et 1,4* | +LB | +LB | +HA | +MB | *L.innocua* | - | 11 | 0.00 | - | 8013 | 3.51 | + | +HA | +MA | +MB* | *L.innocua* | - | NA |

# ***Vegetal products - Listeria monocytogenes***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| B7 | Frozen broccoli | PV1 | *No* | | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 7495 | 2.00 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| S17 | Mushrooms | PV1 | *No* | | +LB(2) | -ME | +MA | +MA | *L.monocytogenes* | + | 7210 | 1.84 | + | / | / | + par défaut | +HA | +HB | +HB | *L.monocytogenes* | + | PA |
| Q18 | Red cabbage | PV1 | *Yes* | *2.2* | +LA | +LD | +HA | +MB | *L.monocytogenes* | + | -3 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | Ø | Ø | - | ND |
| L125-1 | Red cabbage | PV1 | *Yes* | *2.7* | Ø | Ø | Ø | -LE | / | - | 25 | 0.00 | - | 2001 | 0.89 | + | / | +MA | +MB | *L.monocytogenes* | + | NA FN alt |
| S8 | Carots | PV1 | *Yes* | *4.92* | Ø | Ø | +MA | +MA | *L.monocytogenes* | + | -4 | 0.00 | - | 23 | 0.01 | - | Ø | Ø | -HE | / | - | ND |
| S9 | Mushrooms | PV1 | *Yes* | *4.92* | +LA(1) | Ø | +MA | +MA | *L.monocytogenes* | + | 788 | 0.20 | + | / | / | + par défaut | +MA | +HB | +MB | *L.monocytogenes* | + | PA |
| S12 | Red cabbage | PV1 | *Yes* | *20* | +LA(2) | +LA(1) | +MA | +MA | *L.monocytogenes* | + | -5 | 0.00 | - | 19 | 0.00 | - | Ø | Ø | -ME | / | - | ND |
| B12 | Frozen fries | PV2 | *No* | | +LA | +LB | +HA | +HA | *L.monocytogenes* | + | 7984 | 2.13 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B20 | Frozen fried potatoes | PV2 | *No* | | +LB | +LA | +HB | +HA | *L.monocytogenes* | + | 8906 | 2.38 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes* | + | PA |
| C1 | Frozen fried potatoes | PV2 | *No* | | -LE | +LA | Ø | Ø | *L.grayi* | + | 6710 | 1.79 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PD |
| C5 | Frozen fries | PV2 | *No* | | +MA | +MB | +MB | +MB | *L.monocytogenes* | + | 10757 | 2.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| P1 | Pre-cooked frozen fries | PV2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes L.innocua* | + | 8606 | 2.17 | + | / | / | + par défaut | +LA | +HB | +MA | *L.monocytogenes* | + | PA |
| P2 | Frozen fries | PV2 | *No* | | +HA | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | 7388 | 1.86 | + | / | / | + par défaut | +LA* | +HA | +MA | *L.monocytogenes L.innocua* | + | PA |
| P3 | Traditional frozen fries | PV2 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7314 | 1.84 | + | / | / | + par défaut | +HA | +HA* | +LA | *L.monocytogenes* | + | PA |
| R1 | Frozen fried potatoes | PV2 | *No* | | +MA | +MB | +HA | +MA | *L.monocytogenes* | + | 7417 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | + | PA |
| R2 | Frozen fries | PV2 | *No* | | +MB | +MB* | +HB | +MB | *L.monocytogenes L.innocua* | + | 7667 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MB* | *L.monocytogenes* | + | PA |
| S10 | Frozen fries | PV2 | *No* | | +MA | +MB | +HA | +MA | *L.monocytogenes L.innocua* | + | 6742 | 1.72 | + | / | / | + par défaut | +HA | +MB | +HB | *L.monocytogenes* | + | PA |
| S11 | Frozen fried potatoes | PV2 | *No* | | +MA | +MB | +MA | +MA | *L.monocytogenes* | + | 10144 | 2.59 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | + | PA |
| T1 | Frozen fried potatoes | PV2 | *No* | | +MA | +MB* | +HA | +MB* | *L.monocytogenes L.innocua* | + | 4959 | 1.77 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |
| B25 | Salad | PV2 | *No* | | +LA(1) | +LA(2) | +HB | +HA | *L.monocytogenes* | + | 3340 | 0.89 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| Q25 | Lamb's lettuce | PV2 | *Yes* | *2.2* | +LB | +LC | +MA | +MB | *L.monocytogenes* | + | 6752 | 1.73 | + | / | / | + par défaut | +HA | +HA | +MB* | *L.monocytogenes* | + | PA |
| T6 | Mixed salad | PV2 | *Yes* | *21.5* | +LA | +LB | +MA | +MB | *L.monocytogenes* | + | 10620 | 2.71 | + | / | / | + par défaut | +MA | +HB | +HB | *L.monocytogenes* | + | PA |
| C3 | Spinach with cream | PV3 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 8753 | 2.34 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| T7 | Southern style fried vegetables | PV3 | *No* | | +HB | +LB | +HB | +HB* | *L.monocytogenes L.innocua* | + | 10711 | 2.73 | + | / | / | + par défaut | +HB | +HB | +HB | *L.monocytogenes L.innocua* | + | PA |
| U12 | Cauliflower - broccoli puree | PV3 | *No* | | +MA* | +MB* | +HB | +HB | *L.monocytogenes L.welshimeri* | + | 8592 | 2.19 | + | / | / | + par défaut | / | +HB* | +MA* | *L.monocytogenes L.welshimeri* | + | PA |
| S13 | Vegetables soup | PV3 | *Yes* | *10* | +LA(3) | +LA(1) | +HA | +MA | *L.monocytogenes* | + | 7741 | 1.97 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| S15 | Ratatouille | PV3 | *Yes* | *10* | +LA | +LA | +HA | +MA | *L.monocytogenes* | + | 6906 | 1.76 | + | / | / | + par défaut | +HA | +HB | +HA | *L.monocytogenes* | + | PA |
| S16 | Potato flakes | PV3 | *Yes* | *10* | +MB | +MB | +MA | +MA | *L.monocytogenes* | + | 7061 | 1.80 | + | / | / | + par défaut | +HA | +HB | +HB | *L.monocytogenes* | + | PA |
| S14 | Celery & beetroot salad | PV3 | *Yes* | *20* | +LB | +MC | +MA | +MA | *L.monocytogenes* | + | 6943 | 1.77 | + | / | / | + par défaut | +HB | +HB | +HA | *L.monocytogenes* | + | PA |

# *Composite foods - Listeria monocytogenes*

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| CODE | MATRICES | Cat. | AC | CFU/25g | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| I9 | Hot Dog | C2 | *No* | | Ø | -LE | -LE | Ø | / | - | 0 | 0.00 | - | 61 | 0.02 | - | / | / | / | / | - | NA |
| Q10 | Salmon paupiette with vegetables | C2 | *No* | | PP1 | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 3233 | 1.41 | + | +MA | +MA | +MA | *L.welshimeri* | - | NA |
| I18 | Chicken pie | C2 | *Yes* | *1.56* | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| S7 | Cod fillet with vegetables | C2 | *Yes* | *1.64* | Ø | Ø | +HA | +MA | *L.innocua* | - | 6 | 0.00 | - | 7155 | 3.18 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| B11 | Strawberry tart | C3 | *No* | | Ø | -LE | Ø | -LE | / | - | -4 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| B29 | Strawberry tart | C3 | *No* | | Ø | Ø | -LE | -LE | / | - | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| C13 | Cream cake | C3 | *No* | | +LA | +LB | Ø | -ME | *L.grayi* | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| L11 | Strawberry vanilla ice-cream | C3 | *Yes* | *4.5* | +MA | +MA | +HA | +HA | *L.innocua* | - | 37 | 0.00 | - | 7690 | 3.41 | + | +HA | +HB | +MA | *L.welshimeri* | - | NA |
| J28 | Strawberry ice-cream | C3 | *Yes* | *5* | Ø | Ø | Ø | Ø | / | - | 6 | 0.00 | - | 7544 | 3.32 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| J29 | Vanilla ice-cream | C3 | *Yes* | *7.5* | +LA | +LA | +HA | +HA | *L.innocua* | - | 5 | 0.00 | - | 7311 | 3.12 | + | +HA | +HB | +MA | *L.innocua* | - | NA |
| L9 | Normandy tart | C3 | *Yes* | *8.7* | +HA | +HA | +HA | +HA | *L.innocua* | - | 7 | 0.00 | - | 7718 | 3.42 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| J22 | Strawberry melba | C3 | *Yes* | *10* | +LA(1) | +LB(1) | +HA | +HB | *L.innocua* | - | 46 | 0.01 | - | 6805 | 2.90 | + | +HB | +HA | +MA | *L.innocua* | - | NA |
| L10 | Pastry pudding | C3 | *Yes* | *15 et 8,7* | +HA* | +HA | +HA | +HA | *L.innocua* | - | 9 | 0.00 | - | 7719 | 3.42 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| B1 | Rice salad | C1 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7692 | 2.06 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B13 | Tagliatelle | C2 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7664 | 2.05 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B14 | Tagliatelle | C2 | *No* | | +MA | +MA | +MA | +HA | *L.monocytogenes* | + | 6953 | 1.86 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| C2 | Farfale | C2 | *No* | | +LA | Ø | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 6828 | 1.82 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| B5 | Profiteroles | C3 | *No* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | + | 7825 | 2.09 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes* | + | PA |
| B9 | Profiteroles | C3 | *No* | | +MA | +MA | +HA* | +HA* | *L.monocytogenes* | + | 7370 | 1.97 | + | / | / | + par défaut | +HA* | +HA* | +HA* | *L.monocytogenes* | + | PA |
| C12 | Chantilly cream puff | C3 | *No* | | +MA | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 7981 | 2.13 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PA |
| P5 | Cream puff | C3 | *No* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | + | 7382 | 1.86 | + | / | / | + par défaut | +MA* | +MA* | +MA | *L.monocytogenes* | + | PA |
| J21 | Chantilly cream puff | C3 | *Yes* | *5,1 mono 7,5 inno* | +MA | +MA | +HA | +MA | *L.monocytogenes L.innocua* | + | 6697 | 1.70 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes L.innocua* | + | PA |

## ***Environmental samples - Listeria monocytogenes***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | *AC* | *CFU/25g* | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| G19 | Waste waters | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| G20 | Standing water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| G22 | Water from rinsing container | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 14 | 0.00 | - | / | / | / | / | - | NA |
| G23 | Water | EN1 | *No* | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| J10 | Residual water from facility | EN1 | *No* | | -LE | -LE | -ME | -ME | / | - | -3 | 0.00 | - | 29 | 0.01 | - | / | / | / | / | - | NA |
| J11 | Residual water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| J12 | Washing machine water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| J13 | Washing machine water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| M29 | Puddle of water | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| M30 | Residual water | EN1 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 28 | 0.01 | - | / | / | / | / | - | NA |
| M31 | Standing water from storage container | EN1 | *No* | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| M32 | Water from rinsing container outlet | EN1 | *No* | | Ø | Ø | Ø | Ø | / | - | -2 | 0.00 | - | 24 | 0.01 | - | / | / | / | / | - | NA |
| M33 | Water on ground | EN1 | *No* | | Ø | Ø | -LE | Ø | / | - | -4 | 0.00 | - | 23 | 0.01 | - | / | / | / | / | - | NA |
| O18 | Water from rinsing container filter outlet | EN1 | *Yes* | 6.5 | +LA | +LA | +MA | +MB | *L.innocua* | - | 7 | 0.00 | - | 7165 | 3.18 | + | +MB | +MA | +HB | *L.innocua* | - | NA |
| H7 | Water from final rinsing | EN1 | *Yes* | 8.0 | Ø | Ø | Ø | Ø | / | - | 8 | 0.00 | - | 7098 | 3.03 | + | +HA | +HA | +HA | *L.seeligeri* | - | NA |
| H8 | Rinsing bath | EN1 | *Yes* | 16.0 | Ø | Ø | +LC | +MA | *L.seeligeri* | - | 4 | 0.00 | - | 7477 | 3.19 | + | +LB | +HC | +HA | *L.seeligeri* | - | NA |
| H13 | Water from light rinsing | EN1 | *Yes* | 4 et 0 | Ø | Ø | Ø | -LE | / | - | 5 | 0.00 | - | 7485 | 3.20 | + | +LB | +HB | +HA | *L.Innocua* *L.seeligeri* | - | NA |
| H9 | Washing basin | EN1 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| H10 | Residual water | EN1 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| H11 | Doser rinsing water | EN1 | *Yes* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| H12 | Standing water from storage room | EN1 | *Yes* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 23 | 0.00 | - | / | / | / | / | - | NA |
| C16 | Sponge from fish cutting | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -5 | 0.00 | - | 34 | 0.01 | - | / | / | / | / | - | NA |
| C17 | Slicer sponge | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | - | NA |
| D21 | Wipe from cheese-slicing machine | EN2 | *No* | | Ø | Ø | Ø | Ø | / | - | -5 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| D22 | Wipe from cheese knife | EN2 | *No* | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 51 | 0.01 | - | / | / | / | / | - | NA |
| D24 | Surface fish knife | EN2 | *No* | | -LE | -LE | -ME | -ME | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| F19 | Surface of serrated butcher's knife | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| F20 | Meat preparation board surface | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| F21 | Surface slicing machine | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 27 | 0.00 | - | / | / | / | / | - | NA |
| F22 | Surface of ham slicing machine | EN2 | *No* | | Ø | Ø | Ø | -LE | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |

## *Environmental samples - Listeria monocytogenes*

| CODE | MATRICES | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| F23 | Surface of cold meats knife | EN2 | No | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | / | - | NA |
| F24 | Surface of roasting spit | EN2 | No | | Ø | Ø | Ø | -LE | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| G24 | Swab from ground drainage channel | EN2 | No | | Ø | Ø | Ø | -LE | / | - | -2 | 0.00 | - | 17 | 0.00 | - | / | / | / | / | - | NA |
| G26 | Cheese counter board surface | EN2 | No | | Ø | -LE | Ø | Ø | / | - | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| G27 | Surface of cold meats knife | EN2 | No | | Ø | -LE | -LE | -LE | / | - | 20 | 0.00 | - | 7541 | 2.89 | + | +HA | +HA | +HA | *L.welshimeri* | - | NA |
| F25 | Surface of cold meat slicing machine | EN2 | No | | +HA | +MA | +MA* | +MA* | *L.innocua* | - | -2 | 0.00 | - | 9958 | 3.63 | + | +LA | +LA | +LA | *L.innocua* | - | NA |
| H16 | Surface of dirty service lift | EN2 | Yes | 0.1 | -LE | -LE | +HA | +HA | *L.innocua* | - | -3 | 0.00 | - | 7329 | 3.13 | + | -LE | +HB | +MD | *L.innocua* | - | NA |
| J4 | Cheese counter knife | EN2 | Yes | 0.8 | +LA | +LA | +MA | +MA | *L.innocua* | - | 23 | 0.00 | - | 7926 | 3.38 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| J5 | Saw blade from butcher's stand | EN2 | Yes | 1.2 | +LA(3) | +LA | +MA | +MA | *L.innocua* | - | 9 | 0.00 | - | 8075 | 3.45 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| J6 | Surface of freezer in pastries facility | EN2 | Yes | 1.6 | +LA(2) | -LE | +MA | +MA | *L.innocua* | - | 13 | 0.00 | - | 7773 | 3.32 | + | +HA | +HA | +MA | *L.innocua* | - | NA |
| O19 | Surface of transport trolley | EN2 | Yes | 13.0 | +MA | +LA | +HA | +HA | *L.innocua* | - | 14 | 0.00 | - | 7172 | 3.18 | + | +MA | +MA | +MA | *L.innocua* | - | NA |
| H15 | Ground surface in storage room | EN2 | Yes | 24.0 | Ø | -LE | +LC | +MB | *L.seeligeri* | - | 29 | 0.00 | - | 7120 | 3.04 | + | +HA | +HB | +MB | *L.seeligeri* | - | NA |
| O16 | Surface of slicer in cold meats facility | EN2 | Yes | *<1* | -LE | -LE | -LE | -LE | / | - | 4 | 0.00 | - | 22 | 0.00 | - | Ø | -LE | -LE | / | - | NA |
| O17 | Surface in cold store for cheese | EN2 | Yes | *<1* | Ø | -LE | Ø | -ME | / | - | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| J1 | Surface of stainless steel table in pastries facility | EN2 | Yes | *0,2 et 0,4* | Ø | Ø | -ME | -ME | / | - | 14 | 0.00 | - | 8251 | 3.51 | + | +HA | +HA | +HB | *L.innocua* | - | NA |
| J2 | Surface of slicer in butcher's facility | EN2 | Yes | *0,4 et 0,8* | Ø | Ø | +MA | +MA | *L.innocua* | - | 12 | 0.00 | - | 7932 | 3.40 | + | +HA | +HA | +HA | *L.innocua* | - | NA |
| J30 | Surface of stainless steel table in butcher's facility | EN2 | Yes | *0.3* | Ø | Ø | -LE | -ME | / | - | -4 | 0.00 | - | 18 | 0.00 | - | / | / | / | / | - | NA |
| J8 | Ground surface in butcher's facility | EN2 | Yes | *0.4* | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | / | - | NA |
| J9 | Surface of butcher's cutting table | EN2 | Yes | *0.7 mono 0.3 seel* | Ø | Ø | -LE | Ø | / | - | -2 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| P15 | Stainless steel table - cold meats counter | EN2 | Yes | ND | +HB | +MA | +HB | +MA | *L.innocua* | - | 6 | 0.00 | - | 7257 | 3.22 | + | +MA | +MA | +MA | *L.innocua* | - | NA |
| P16 | Sink in production area | EN2 | Yes | ND | +MA | +HB | +MA | +HB | *L.innocua* | - | 11 | 0.00 | - | 7124 | 3.16 | + | +MA | +MA | +MB | *L.innocua* | - | NA |
| P17 | Swab from wall-floor join | EN2 | Yes | ND | +HA | +MB* | +HA* | +MB* | *L.innocua L.ivanovii* | - | 6 | 0.00 | - | 7182 | 3.19 | + | +MA | +MA* | +MB | *L.innocua L.ivanovii* | - | NA |
| P18 | Surface of trolley from manufacturing area | EN2 | Yes | ND | +HA | +MB | +HA | +MB | *L.ivanovii* | - | 1 | 0.00 | - | 9721 | 4.31 | + | +MA | +HA | +MB | *L.ivanovii* | - | NA |
| I29 | Residues from cheese counter | EN3 | No | | Ø | -LE | -LE | -ME | / | - | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | / | - | NA |
| I30 | Residues from cheese counter | EN3 | No | | Ø | Ø | Ø | Ø | / | - | -1 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| I31 | Residue from floor of production hall | EN3 | No | | Ø | Ø | -LE | Ø | / | - | -7 | 0.00 | - | 21 | 0.00 | - | / | / | / | / | - | NA |
| O2 | Residues from cheese counter | EN3 | No | | Ø | Ø | Ø | Ø | / | - | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | / | - | NA |
| P10 | Residues from cold meats counter | EN3 | No | | -LE | -LE | -ME | -ME | / | - | -3 | 0.00 | - | 26 | 0.01 | - | -LE | -ME | -ME | / | - | NA |
| P14 | Residues from cheese facility | EN3 | No | | Ø | -LE | Ø | -LE | / | - | -3 | 0.00 | - | 26 | 0.01 | - | Ø | -LE | Ø | / | - | NA |
| I32 | Bone dust | EN3 | No | | Ø | Ø | Ø | Ø | / | - | 3 | 0.00 | - | 9928 | 3.89 | + | +MA | +HA | +MA | *L.welshimeri L.innocua* | - | NA |
| H14 | Residue from machine filter | EN3 | Yes | 16.0 | +LA | +LA | +HA | +HA | *L.seeligeri* | - | 82 | 0.02 | - | 6872 | 2.93 | + | +HA | +HB | +MB | *L.seeligeri* | - | NA |

## ***Environmental samples - Listeria monocytogenes***

| | | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | MATRICES | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| F18 | Water from U-bend in butcher's facility | EN1 | *No* | | +LA | +LA | +HA | +MA* | *L.monocytogenes* | + | 8612 | 2.30 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| G21 | Washing machine water | EN1 | *No* | | +LA | +LA* | +HA | +MA* | *L.monocytogenes L.innocua* | + | 6190 | 1.57 | + | / | / | + par défaut | +MA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| O20 | Water from cooling tower | EN1 | *No* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 6578 | 1.66 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| M27 | Rinsing water | EN1 | *Yes* | 7 mono 3,8 inno | +MA | +LA | +MA* | +MB* | *L.monocytogenes L.innocua* | + | 8365 | 2.11 | + | / | / | + par défaut | +HA | +HB* | +HA* | *L.monocytogenes* | + | PA |
| M28 | Water from washing container | EN1 | *Yes* | 8,8 mono 3,8 inno | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 8015 | 2.02 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes* | + | PA |
| O3 | Cold meats counter knife | EN2 | *No* | | +LB | -ME | +HB | +MB | *L.monocytogenes* | + | -4 | 0.00 | - | 20 | 0.00 | - | Ø | -LE | -ME | / | - | ND |
| B28 | Sponge from top mat on scales | EN2 | *No* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | + | 7794 | 2.08 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| D23 | Swab from sausage production line | EN2 | *No* | | +HA | +HA | +MA | +MA | *L.monocytogenes* | + | 6829 | 1.73 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | + | PA |
| G25 | Surface of cheese knife | EN2 | *No* | | +LA | +LB | +HA | +HA | *L.monocytogenes* | + | 7500 | 1.90 | + | / | / | + par défaut | +HA | +MB | +MA | *L.monocytogenes* | + | PA |
| G28 | Ground surface in fish-cutting facility | EN2 | *No* | | +MA | +MB | +HA | +MB | *L.monocytogenes* | + | 1974 | 0.50 | + | / | / | + par défaut | -ME | +MA | +LA | *L.monocytogenes* | + | PA |
| J7 | Cheese counter knife | EN2 | *No* | | +HA* | +MA* | +MA* | +MA* | *L.monocytogenes L.innocua* | + | 698 | 0.17 | + | / | / | + par défaut | +HA | +HA* | +HA | *L.monocytogenes L.innocua* | + | PA |
| O1 | Sponge from surface of pastries stand | EN2 | *No* | | +LA | +LA* | +HA | +HA | *L.monocytogenes L.innocua* | + | 7370 | 1.86 | + | / | / | + par défaut | +MA* | +HA* | +HA | *L.monocytogenes L.innocua* | + | PA |
| O4 | Surface in cold store for meats | EN2 | *No* | | +LA | +LA* | +HA* | +MA* | *L.monocytogenes L.innocua* | + | 7977 | 2.01 | + | / | / | + par défaut | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| O5 | Swab from fries production line | EN2 | *No* | | +MA | +MA | +HA* | +MA* | *L.monocytogenes* | + | 7329 | 1.85 | + | / | / | + par défaut | +MA | +MA | +MA* | *L.monocytogenes* | + | PA |
| P9 | Sponge from transfer belt | EN2 | *No* | | +HA | +MB | +HB | +HB | *L.monocytogenes* | + | 7155 | 1.80 | + | / | / | + par défaut | +MA | +MB | +HA | *L.monocytogenes* | + | PA |
| J3 | Cheese counter board surface | EN2 | *Yes* | 0,6 mono 1,2 inno | +LA | +LB | +MA* | +MB | *L.monocytogenes* | + | 10732 | 2.73 | + | / | / | + par défaut | +HA* | +HA* | +HB | *L.monocytogenes L.innocua* | + | PA |
| O13 | Stainless steel shelf surface in cold store | EN2 | *Yes* | 6.5 | +LA | +LA | +MA | +MA | *L.monocytogenes* | + | 7105 | 1.79 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | + | PA |
| O12 | Floor of cold packaging room | EN2 | *Yes* | 9,7 mono 5 inno | +MA | +MA* | +HA | +MA* | *L.monocytogenes L.innocua* | + | 10279 | 2.59 | + | / | / | + par défaut | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| O11 | Surface in cooling room | EN2 | *Yes* | 19,5 mono 7,5 inno | +MA | +MA* | +HB | +MB* | *L.monocytogenes L.innocua* | + | 8807 | 2.22 | + | / | / | + par défaut | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | + | PA |
| I43 | Residue from cutting counter | EN3 | *No* | | Ø | Ø | Ø | Ø | / | - | 6691 | 1.80 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | + | PD |
| C14 | Residue from production line | EN3 | *No* | | +MA | +MA | +MB | +MB | *L.monocytogenes* | + | 9830 | 2.63 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | + | PA |
| C15 | Residue from dirty containers | EN3 | *No* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | + | 7455 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| O6 | Residue from fries storage container | EN3 | *No* | | +MA | +MB | +HA* | +MB* | *L.monocytogenes L.innocua* | + | 7109 | 1.79 | + | / | / | + par défaut | +HA | +MA* | +MA | *L.monocytogenes L.innocua* | + | PA |
| O7 | Residue from meat-cutting board | EN3 | *No* | | +MA | +MA | +MA* | +MA* | *L.monocytogenes* | + | 7368 | 1.86 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes* | + | PA |
| O8 | Residue from packaging facility | EN3 | *No* | | +MA | +MA | +MA | +MB | *L.monocytogenes* | + | 7372 | 1.86 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | + | PA |
| O9 | Residue from meat-cutting facility | EN3 | *No* | | +MA | +MA | +MA | +MA | *L.monocytogenes* | + | 7273 | 1.83 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | + | PA |
| P11 | Residue from fish counter | EN3 | *No* | | Ø | +LB | Ø | Ø | *L.monocytogenes* | + | 7353 | 1.85 | + | / | / | + par défaut | -LE | +HA | +MB | *L.monocytogenes* | + | PA |
| P12 | Scales for fish | EN3 | *No* | | Ø | +LB | +MA | +MA* | *L.monocytogenes* | + | 7188 | 1.81 | + | / | / | + par défaut | -LE | +MA | +MB | *L.monocytogenes* | + | PA |
| O15 | Residue from packaging container | EN3 | *Yes* | <1 | +MA | +MB | +MA | +LB | *L.monocytogenes* | + | 4128 | 1.04 | + | / | / | + par défaut | +MA | +MA | +MB | *L.monocytogenes* | + | PA |
| O14 | Residue from sink in cutting facility | EN3 | *Yes* | 9.7 | +MA | +MB | +MA | +LB | *L.monocytogenes* | + | 47 | 0.01 | - | 1906 | 0.84 | + | +LA | +LB | -LE | *L.monocytogenes* | + | ND FN alt |
| O10 | Residue from cutting facility stainless steel table | EN3 | *Yes* | 13 mono 10 inno | +MA | +MB* | +MB | +MB* | *L.monocytogenes L.innocua* | + | 2024 | 0.51 | + | / | / | + par défaut | +MB* | +HB* | +MB* | *L.monocytogenes L.innocua* | + | PA |

# APPENDIX D2

# INITIAL VALIDATION STUDY

# SENSITIVITY RAW RESULTS AFTER COLD STORAGE

## Meat products

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| CODE | Cat. | AC | CFU/25g | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| T15 | PC1 | *Non* | | Ø | Ø | Ø | Ø | / | A | 286 | 0.07 | + | / | / | + par défaut | +HA | +HA | +MB | *L.innocua* | P | PD |
| D7 | PC1 | *Non* | | Ø | Ø | Ø | Ø | / | A | 916 | 0.23 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | P | PD |
| C23 | PC1 | *Non* | | +MA | +MB | +MA | +MA | *L.monocytogenes* | P | 7785 | 2.08 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| D1 | PC1 | *Non* | | +LA* | +LA* | +MA* | +MA* | *L.monocytogenes*<br>*L.innocua*<br>*L.welshimeri* | P | 613 | 0.15 | + | / | / | + par défaut | +HA* | +HA* | +HA* | *L.monocytogenes*<br>*L.innocua*<br>*L.welshimeri* | P | PA |
| D2 | PC1 | *Non* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | P | 8682 | 2.00 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes*<br>*L.innocua* | P | PA |
| E2 | PC1 | *Non* | | +LA | +LA(2) | +MA | +MA | *L.monocytogenes* | P | 7358 | 1.86 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| E3 | PC1 | *Non* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | P | 8165 | 2.07 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| E7 | PC1 | *Non* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | P | 8349 | 2.11 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| E10 | PC1 | *Non* | | +LA | +LA | +MA | +MA | *L.welshimeri* | P | 14 | 0.00 | - | 7669 | 2.94 | + | +HA | +HA | +MA | *L.welshimeri* | P | PA |
| I21 | PC1 | *Non* | | +LA* | +LA* | +HA* | +LA* | *L.welshimeri*<br>*L.innocua* | P | 9 | 0.00 | - | 7802 | 3.05 | + | +MB | +MA* | +MA* | *L.welshimeri*<br>*L.innocua* | P | PA |
| M4 | PC1 | *Non* | | +LA | +LA* | +MA* | +MA* | *L.monocytogenes*<br>*L.welshimeri*<br>*L.innocua* | P | 7 | 0.00 | - | 8351 | 3.70 | + | +MA | +HA | +MA | *L.monocytogenes*<br>*L.welshimeri*<br>*L.innocua* | P | PA |
| T11 | PC1 | *Non* | | Ø | Ø | +HA | +HB | *L.monocytogenes*<br>*L.innocua* | P | 8321 | 2.12 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes*<br>*L.innocua* | P | PA |
| T16 | PC1 | *Non* | | +LA(1) | -LE | +HB | +MB | *L.welshimeri* | P | 12 | 0.00 | - | 8427 | 3.75 | + | +MA | +MA* | +MD | *L.welshimeri* | P | PA |
| T19 | PC1 | *Non* | | +LA(4) | +HD | +MA | +MA* | *L.monocytogenes*<br>*L.innocua* | P | 9896 | 2.52 | + | / | / | + par défaut | +HA* | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | P | PA |
| V8 | PC1 | *Non* | | +LB | +LB | +HA | +MA | *L.monocytogenes* | P | 7613 | 1.97 | + | / | / | + par défaut | +HA | +MA* | +MA | *L.monocytogenes*<br>*L.innocua* | P | PA |
| V9 | PC1 | *Non* | | Ø | Ø | +MA | +MA | *L.monocytogenes* | P | 7734 | 2.00 | + | / | / | + par défaut | +MA | +HA | +MA | *L.monocytogenes* | P | PA |
| V14 | PC1 | *Non* | | Ø | Ø | +HA | +MA | *L.welshimeri* | P | 2190 | 0.56 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes*<br>*L.welshimeri* | P | PA |
| D10 | PC1 | *Non* | | +LA(4) | +LA*(2) | +HA* | +HA* | *L.monocytogenes*<br>*L.innocua* | P | 1424 | 0.36 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | P | PA |
| I13 | PC1 | *Non* | | +LA* | +LA* | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | P | 10479 | 2.82 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes*<br>*L.innocua* | P | PA |
| T10 | PC1 | *Non* | | +LA(3) | +LB | +HB | +MA | *L.innocua* | P | 4 | 0.00 | - | 8894 | 3.95 | + | +HA | +MA | +MA | *L.innocua* | P | PA |
| I8 | PC1 | *Non* | | +LA | +MA | +HB | +MA | *L.monocytogenes* | P | 9834 | 2.64 | + | / | / | + par défaut | +HA | +HB | +HA | *L.monocytogenes* | P | PA |
| V16 | PC1 | *Non* | | Ø | Ø | +HA | +MA | *L.welshimeri* | P | 245 | 0.06 | + | / | / | + par défaut | +HA | +HA | +MA | *L.welshimeri* | P | PA |
| | | | | | | | | | | 284 | 0.07 | + | / | / | + par défaut | | | | | | |
| I19 | PC1 | *Oui* | *<1* | +MA | +MA | +HA | +MA | *L.welshimeri* | P | 231 | 0.06 | + | / | / | + par défaut | +MA | +MA | +MB | *L.welshimeri* | P | PA |
| | | | | | | | | | | 21a | 0.00 | - | 7244a | 3.09 | + | | | | | | |
| | | | | | | | | | | 63b | 0.00 | - | 7704b | 3.42 | + | | | | | | |
| | | | | | | | | | | 5c | 0.00 | - | 8705c | 3.86 | + | | | | | | |

## Meat products

| CODE | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| K1 | PC1 | Oui | 4.11 | +LA | +LA | +MA | +MA | L.innocua | P | 48 | 0.01 | - | 7602 | 3.37 | + | +HA | +HA | +MB | L.innocua | P | PA |
| K2 | PC1 | Oui | 5.5 | +HA | +MA | +HA | +MA | L.innocua | P | 6 | 0.00 | - | 7802 | 3.46 | + | +HA | +HA | +HA | L.innocua | P | PA |
| M2 | PC1 | Oui | 5.7 | Ø | +LA | +MA | +LA | L.innocua | P | -1 | 0.00 | - | 8629 | 3.83 | + | +MA | +LA | +MA | L.innocua | P | PA |
| K4 | PC1 | Non & Oui | 8.2 | +LA | +LA | +HA | +MA | L.monocytogenes L.innocua | P | 263 | 0.06 | + | / | / | + par défaut | +MA | +HA | +MA* | L.monocytogenes L.innocua | P | PA |
| K6 | PC1 | Oui | 12 | +MA | +MA | +HA | +MA | L.welshimeri | P | 541 | 0.13 | + | / | / | + par défaut | +HA | +HB | +MB | L.welshimeri | P | PA |
| | | | | | | | | | | 13a | 0.00 | - | 8192a | 3.63 | + | | | | | | |
| | | | | | | | | | | 1296b | 0.32 | + | / | / | + par défaut | | | | | | |
| | | | | | | | | | | 48c | 0.01 | - | 9257c | 4.11 | + | | | | | | |
| D9 | PC2 | Non | | +LA* | +LA* | +MA* | +MA* | L.monocytogenes L.innocua L.welshimeri | P | 5394 | 1.36 | + | / | / | + par défaut | +MA | +HB | +MA* | L.monocytogenes L.innocua | P | PA |
| G4 | PC2 | Non | | +MA* | +MA* | +HA* | +MA* | L.monocytogenes | P | 7482 | 1.89 | + | / | / | + par défaut | +MA* | +HA | +MA | L.monocytogenes L.innocua | P | PA |
| G10 | PC2 | Non | | +HA | +HA | +HA* | +MA* | L.monocytogenes L.innocua | P | 8065 | 2.04 | + | / | / | + par défaut | +MA* | +HA* | +MA* | L.monocytogenes | P | PA |
| G11 | PC2 | Non | | +HA* | +HA* | +HA | +MA* | L.monocytogenes | P | 9571 | 2.42 | + | / | / | + par défaut | +HA | +HA | +MA | L.monocytogenes | P | PA |
| I10 | PC2 | Non | | +LA | +LA | +HA | +MA | L.monocytogenes | P | -4 | 0.00 | - | 26 | 0.01 | - | Ø | Ø | Ø | / | A | ND |
| I11 | PC2 | Non | | +MA | +MB* | +MA* | +MA* | L.monocytogenes L.innocua | P | 11185 | 3.01 | + | / | / | + par défaut | +HA* | +HA* | +MA* | L.monocytogenes L.innocua | P | PA |
| T18 | PC2 | Non | | +LB | +LC | +MB | +MA* | L.monocytogenes | P | 6899 | 1.76 | + | / | / | + par défaut | +HB | +HA | +MA | L.monocytogenes | P | PA |
| V13 | PC2 | Non | | +MA | +MA | +HA | +HA | L.monocytogenes | P | 6981 | 1.80 | + | / | / | + par défaut | +HA | +HA | +HA | L.monocytogenes | P | PA |
| L1 | PC2 | Oui | 2.3 | Ø | +LA | +HA | +MA | L.welshimeri | P | 1 | 0.00 | - | 23 | 0.01 | - | -LE | Ø | -HR | / | A | ND |
| K7 | PC2 | Oui | 14.4 | +MA | +MA | +HA | +HA | L.welshimeri | P | 25 | 0.00 | - | 6980 | 3.10 | + | +HA | +HB | +HA | L.welshimeri | P | PA |
| C19 | PC3 | Non | | -LE | -LE | Ø | Ø | / | A | 8186 | 2.19 | + | / | / | + par défaut | +HA | +MA | +MB | L.monocytogenes L.welshimeri | P | PD |
| B30 | PC3 | Non | | +HA | +HA | +HA* | +HA* | L.monocytogenes L.innocua | P | 8743 | 2.34 | + | / | / | + par défaut | +HA* | +HB* | +HB* | L.monocytogenes L.innocua | P | PA |
| D3 | PC3 | Non | | +MA* | +MB* | +HA* | +MA* | L.monocytogenes L.innocua L.welshimeri | P | 10258 | 2.60 | + | / | / | + par défaut | +MA | +MB* | +MB* | L.monocytogenes L.innocua L.welshimeri | P | PA |
| D4 | PC3 | Non | | Ø | Ø | +MA | +MA | L.monocytogenes | P | 631 | 0.16 | + | / | / | + par défaut | +MA | +HB | +HB | L.monocytogenes L.innocua | P | PA |
| D6 | PC3 | Non | | Ø | Ø | +HC | +MB | L.monocytogenes | P | 8608 | 2.18 | + | / | / | + par défaut | +HA | +HB | +MA | L.monocytogenes L.innocua | P | PA |
| D11 | PC3 | Non | | +LA | +LA | +HA | +HA | L.monocytogenes | P | 7888 | 2.00 | + | / | / | + par défaut | +HA | +HA | +HA | L.monocytogenes | P | PA |
| E9 | PC3 | Non | | +LA | +LB | +LB | +MA* | L.monocytogenes L.welshimeri L.innocua | P | 14 | 0.00 | - | 8967 | 3.44 | + | +HA | +HA* | +MA* | L.monocytogenes L.welshimeri L.innocua | P | PA |
| | | | | | | | | | | 2a | 0.00 | - | 9958a | 3.63 | + | | | | | | |
| E11 | PC3 | Non | | +LA* | +LA* | +HA | +HA* | L.monocytogenes L.innocua | P | 2847 | 0.72 | + | / | / | + par défaut | +HA | +HA | +HA | L.monocytogenes L.innocua | P | PA |
| F7 | PC3 | Non | | +MA* | +MA* | +MA* | +MA* | L.monocytogenes L.innocua | P | 7828 | 1.98 | + | / | / | + par défaut | +HA* | +MB* | +MB | L.monocytogenes L.innocua | P | PA |
| F8 | PC3 | Non | | +MB | +LA | +HA | +MA* | L.monocytogenes L.innocua L.welshimeri | P | 7028 | 1.78 | + | / | / | + par défaut | +HB | +HB | +HA | L.monocytogenes L.innocua L.welshimeri | P | PA |
| M8 | PC3 | Non | | +HB | +HB | +MB | +MB | L.monocytogenes L.innocua | P | 8985 | 2.26 | + | / | / | + par défaut | +HB | +HA* | +HB | L.monocytogenes L.innocua | P | PA |
| V10 | PC3 | Non | | Ø | -LE | Ø | Ø | / | A | 7678 | 1.98 | + | / | / | + par défaut | +HA | +HA | +HA | L.monocytogenes | P | PD |

## Meat products

| CODE | Cat. | AC | CFU/25g | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | FINAL RESULT | COMPARISON |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | | |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| D5 | PC3 | *Non* | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes L.innocua L.welshimeri* | P | 9569 | 2.42 | + | / | / | + par défaut | +HB | +HB | +HA | *L.monocytogenes L.welshimeri* | P | PA |
| D8 | PC3 | *Non* | | +MA | +MA | +MA | +MA | *L.welshimeri* | P | 63 | 0.01 | - | 7694 | 2.95 | + | +MA | +HA | +HA | *L.welshimeri* | P | PA |
| G3 | PC3 | *Non* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | P | 8026 | 2.03 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | P | PA |
| I12 | PC3 | *Non* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | P | 9765 | 2.63 | + | / | / | + par défaut | +MA | +HA | +HA | *L.monocytogenes* | P | PA |
| T12 | PC3 | *Non* | | +LA(2) | +MA | +HA* | +MA* | *L.monocytogenes L.welshimeri* | P | 10697 | 2.73 | + | / | / | + par défaut | +MA* | +MA* | +MA* | *L.monocytogenes L.welshimeri* | P | PA |
| T13 | PC3 | *Non* | | +MA* | +MA* | +HB | +MA* | *L.monocytogenes L.welshimeri* | P | 9492 | 2.42 | + | / | / | + par défaut | +MA* | +HA* | +MA* | *L.monocytogenes L.welshimeri* | P | PA |
| T17 | PC3 | *Non* | | +MA | +MA* | +HB | +MA | *L.innocua L.welshimeri* | P | 10 | 0.00 | - | 7187 | 3.19 | + | +MA | +MA | +MA | *L.innocua* | P | PA |
| V11 | PC3 | *Non* | | Ø | +LA | +HA | +HA | *L.welshimeri* | P | 7469 | 1.93 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes L.welshimeri* | P | PA |
| V15 | PC3 | *Non* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | P | 6774 | 1.75 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| V17 | PC3 | *Non* | | +LA | +LB | +MA | +MA | *L.monocytogenes L.welshimeri* | P | 9616 | 2.48 | + | / | / | + par défaut | +HA | +MA* | +HA | *L.monocytogenes L.welshimeri* | P | PA |
| W15 | PC3 | *Non* | | +LA | +LA | +HA | +HB | *L.monocytogenes* | P | 9003 | 2.33 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| X16 | PC3 | *Non* | | +LA | +LA | +MA | +MA | *L.innocua* | P | 8 | 0.00 | - | 8437 | 2.95 | + | +HA | +HA | +MA | *L.innocua* | P | PA |
| X17 | PC3 | *Non* | | +LA(2) | +LA | +HA | +MA | *L.monocytogenes* | P | 9117 | 2.36 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | P | PA |
| I16 | PC3 | *Oui* | *<1* | +MA | +MA | +HA | +MA | *L.welshimeri* | P | 5 | 0.00 | - | 8166 | 3.19 | + | +HA | +HA | +MA | *L.welshimeri* | P | PA |
| L3 | PC3 | *Oui* | *0.3* | +LA | +LA | +HA | +HA | *L.ivanovii* | P | -4 | 0.00 | - | 18 | 0.00 | - | Ø | Ø | Ø | / | A | ND |
| L2 | PC3 | *Oui* | *1.8* | +LA | +LA | +HA | +HA | *L.welshimeri* | P | 7 | 0.00 | - | 8168 | 3.62 | + | +HA | +HA | +MA | *L.welshimeri* | P | PA |
| K3 | PC3 | *Oui* | *6.8* | +LA | +MB | +HA | +HA | *L.innocua* | P | 112 | 0.02 | - | 7456 | 3.31 | + | +HA | +HA | +HB | *L.innocua* | P | PA |
| K5 | PC3 | *Oui* | *9.6* | +MA | +MA | +HA | +MA | *L.welshimeri* | P | 7 | 0.00 | - | 7922 | 3.51 | + | +HA | +HB | +MB | *L.welshimeri* | P | PA |
| M5 | PC3 | *Oui* | *7 et 3,8* | +HA(2) | +MA | +MA | +MB | *L.monocytogenes L.innocua* | P | 8040 | 2.02 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | P | PA |

## Dairy products

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| C7 | PL1 | *Non* | | Ø | Ø | Ø | Ø | / | A | 5 | 0.00 | - | 8189 | 2.89 | + | +MA | +MA | +MB | *L.seeligeri* | P | PD |
| D14 | PL1 | *Non* | | Ø | -ME | Ø | Ø | / | A | 0 | 0.00 | - | 2933 | 1.12 | + | +MB | +MA | +MB | *L.innocua* | P | PD |
| B2 | PL1 | *Non* | | +LB | +LA | +HB | +MA | *L.monocytogenes* | P | 7264 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| B4 | PL1 | *Non* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | P | 7897 | 2.11 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| B6 | PL1 | *Non* | | +LB | +LB | +HA | +HA | *L.monocytogenes* | P | 9077 | 2.43 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| B18 | PL1 | *Non* | | +MA | +MB | +HA | +HA | *L.monocytogenes* | P | 8026 | 2.15 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | P | PA |
| B19 | PL1 | *Non* | | +LA | +LA | +HA | +HB | *L.monocytogenes* | P | 8493 | 2.27 | + | / | / | + par défaut | +MB | +MB | +MB | *L.monocytogenes* | P | PA |
| B23 | PL1 | *Non* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | P | 11015 | 2.95 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | P | PA |
| B24 | PL1 | *Non* | | +LB | +LA | +HB | +HA | *L.monocytogenes* | P | 8189 | 2.19 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes* | P | PA |
| C8 | PL1 | *Non* | | +LA | +LA | +HA | +MB | *L.monocytogenes* | P | 7272 | 1.94 | + | / | / | + par défaut | +MB | +MA | +MA | *L.monocytogenes* | P | PA |
| C18 | PL1 | *Non* | | +MA | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | P | 11380 | 3.04 | + | / | / | + par défaut | +MB | +MA | +MA | *L.monocytogenes L.innocua* | P | PA |
| G1 | PL1 | *Non* | | +MA | +MB | +HB | +HB | *L.monocytogenes* | P | 8361 | 2.12 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| P4 | PL1 | *Non* | | +HB | +HA | +HA | +MA | *L.monocytogenes* | P | 7112 | 1.79 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| P6 | PL1 | *Non* | | +LA | +HC | +HB | +HA | *L.monocytogenes* | P | 8236 | 2.07 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| P7 | PL1 | *Non* | | +LB | +LB | +HB | +HB | *L.monocytogenes* | P | 7942 | 2.00 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | P | PA |
| R21 | PL1 | *Non* | | +LB | +MB | +MB | +MB | *L.monocytogenes L.innocua* | P | 10229 | 2.63 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes L.innocua* | P | PA |
| L6 | PL1 | *Oui* | *2.4* | +LA | +LB | +HA | +HA | *L.innocua* | P | -2 | 0.00 | - | 42 | 0.01 | - | Ø | Ø | Ø | / | A | ND |
| L5 | PL1 | *Oui* | *5* | Ø | +LA | +HA | +HA | *L.innocua* | P | 8 | 0.00 | - | 8098 | 3.59 | + | +HA | +MA | +MA | *L.innocua* | P | PA |
| L8 | PL1 | *Oui* | *10* | +HA | +MA | +HA | +HA | *L.innocua* | P | 6 | 0.00 | - | 7890 | 3.50 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| H1 | PL1 | *Oui* | *16.8* | Ø | Ø | Ø | -ME | / | A | 21 | 0.00 | - | 8237 | 3.52 | + | +HA | +MA | +MA | *L.innocua* | P | PD |
| C10 | PL2 | *Non* | | Ø | -LE | Ø | Ø | / | A | 10098 | 2.70 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes* | P | PD |
| B8 | PL2 | *Non* | | +LA(4) | +LA | -ME | +LB(1) | *L.monocytogenes* | P | 10078 | 2.70 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | P | PA |
| B16 | PL2 | *Non* | | Ø | +LB | -LE | -LE | *L.seeligeri* | P | 7613 | 2.03 | + | / | / | + par défaut | +MA | +MA | +MB | *L.monocytogenes* | P | PA |
| B21 | PL2 | *Non* | | +LA | +LB | +HA | +HB | *L.monocytogenes L.innocua* | P | 11124 | 2.98 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| B22 | PL2 | *Non* | | +LA | +MC | +HA | +HA | *L.monocytogenes* | P | 7803 | 2.09 | + | / | / | + par défaut | +HB | +HA | +HA | *L.monocytogenes L.seeligeri* | P | PA |
| C9 | PL2 | *Non* | | +MA | +MB | +MA* | +MA* | *L.monocytogenes L.innocua* | P | 7318 | 1.96 | + | / | / | + par défaut | +HB | +MB | +MB | *L.monocytogenes* | P | PA |
| P13 | PL2 | *Non* | | +HB | +MA | +HA | +MA | *L.welshimeri* | P | 27 | 0.00 | - | 7109 | 3.15 | + | +HA | +HA | +HB | *L.welshimeri* | P | PA |
| X18 | PL2 | *Non* | | +LA(1) | +LA(1) | +HA | +MA | *L.monocytogenes* | P | 628 | 0.16 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | P | PA |
| X19 | PL2 | *Non* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | P | 8780 | 2.27 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| N1 | PL3 | *Non* | | +LA | +LB | +MA | +MA | *L.innocua* | P | 8 | 0.00 | - | 8082 | 3.59 | + | +HA | +HB | +HB | *L.innocua* | P | PA |
| N2 | PL3 | *Non* | | +LA | +LA* | +MA | +MA* | *L.monocytogenes L.innocua* | P | 8371 | 2.11 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | P | PA |
| L12 | PL3 | *Oui* | *2.66* | +MB | +MB | +HB | +HB | *L.innocua* | P | 11 | 0.00 | - | 7788 | 3.45 | + | +HA | +HB | +MB | *L.innocua* | P | PA |
| J15 | PL3 | *Oui* | *7.5* | +LA(1) | +LA(2) | +MA | +MA | *L.innocua* | P | 5 | 0.00 | - | 7208 | 3.08 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| J19 | PL3 | *Oui* | *7.5* | Ø | Ø | Ø | Ø | / | A | 7 | 0.00 | - | 7309 | 3.12 | + | +HA | +HA | +HA | *L.innocua* | P | PD |
| J14 | PL3 | *Oui* | *3,4 et 5,0* | Ø | Ø | Ø | Ø | / | A | 7021 | 1.79 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes L.innocua* | P | PD |
| J16 | PL3 | *Oui* | *10* | +LA | +MA | +MA | +MA | *L.innocua* | P | 6 | 0.00 | - | 7022 | 3.00 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| J20 | PL3 | *Oui* | *10* | +LA | +LA | +HA | +HA | *L.innocua* | P | -4 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | Ø | / | A | ND |
| J17 | PL3 | *Oui* | *5,1 et 7,5* | Ø | Ø | Ø | Ø | / | A | 2604 | 0.66 | + | / | / | + par défaut | +HA* | +HA* | +HA | *L.monocytogenes L.innocua* | P | PD |

## Seafood products

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| CODE | Cat. | AC | CFU/25g | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| G8 | PP1 | Non | | Ø | Ø | Ø | Ø | / | A | 7690 | 1.95 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PD |
| I36 | PP1 | Non | | Ø | Ø | Ø | Ø | / | A | 9134 | 2.46 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PD |
| G5 | PP1 | Non | | PP1 | +LA | +HA | +HA | *L.monocytogenes* | P | 8041 | 2.03 | + | / | / | + par défaut | +HA* | +HA | +MA* | *L.monocytogenes* | P | PA |
| I40 | PP1 | Non | | PP1 | +MA | +HA | +MB | *L.monocytogenes* | P | 6881 | 1.85 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| M14 | PP1 | Non | | PP1 | +MB | +MB | +MB | *L.monocytogenes* | P | 7145 | 1.80 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | P | PA |
| M17 | PP1 | Non | | PP1 | +LA | +MA | +MA | *L.monocytogenes* | P | 10019 | 2.52 | + | / | / | + par défaut | +HA | +HA* | +MB* | *L.monocytogenes*<br>*L.innocua* | P | PA |
| M24 | PP1 | Non | | PP1 | +MB | +MA | +LB | *L.monocytogenes* | P | 7526 | 1.90 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| M26 | PP1 | Non | | PP2 | +LA | Ø | +LA | *L.monocytogenes* | P | 7304 | 1.84 | + | / | / | + par défaut | +MA | +MA | +HA | *L.monocytogenes* | P | PA |
| Q5 | PP1 | Non | | PP3 | +LB* | +MA | +MA* | *L.innocua*<br>*L.seeligeri* | P | 8 | 0.00 | - | 8269 | 3.62 | + | +LB | +LB | +MA | *L.innocua*<br>*L.seeligeri* | P | PA |
| R4 | PP1 | Non | | PP3 | +LA(1) | +MB | +MA | *L.monocytogenes* | P | 7259 | 1.87 | + | / | / | + par défaut | +MA | +MA | +HA | *L.monocytogenes* | P | PA |
| R6 | PP1 | Non | | +LA | +LA | +HA | +HA | *L.monocytogenes* | P | 8155 | 2.10 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| R8 | PP1 | Non | | +LA | +MB* | +HA | +MA | *L.monocytogenes*<br>*L.innocua* | P | 7176 | 1.84 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | P | PA |
| U1 | PP1 | Non | | Ø | +LA | +MA | +HA | *L.seeligeri* | P | 8237 | 2.10 | + | / | / | + par défaut | / | +MA* | +MA* | *L.monocytogenes*<br>*L.seeligeri* | P | PA |
| R14 | PP1 | Oui | 0.1 | Ø | Ø | +MA | +LA | *L.innocua* | P | 8 | 0.00 | - | 7477 | 3.28 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| R13 | PP1 | Oui | 0.2 | Ø | -LE | +LA | +LA | *L.innocua* | P | 1 | 0.00 | - | 9679 | 4.24 | + | +MA | +MA | +MB | *L.innocua* | P | PA |
| R15 | PP1 | Oui | 0.3 | Ø | Ø | +HA | +MA | *L.innocua* | P | 32 | 0.00 | - | 7172 | 3.14 | + | +HB | +HA | +MA | *L.innocua* | P | PA |
| S6 | PP1 | Oui | 1.64 | Ø | Ø | +LA | +LB | *L.innocua* | P | -4 | 0.00 | - | 8252 | 3.67 | + | +MA | +MA | +MD | *L.innocua* | P | PA |
| S5 | PP1 | Oui | 2.46 | Ø | Ø | Ø | -LE | / | A | 32 | 0.00 | - | 8069 | 3.59 | + | +MA | +HA | +MB | *L.innocua* | P | PD |
| S4 | PP1 | Oui | 2.46 | +MA | +MA | +MB | +MB | *L.innocua* | P | 9 | 0.00 | - | 8360 | 3.72 | + | +HB | +MB | +MA | *L.innocua* | P | PA |
| M13 | PP1 | Oui | 3.8 | PP1 | +LA(1) | +LA | +LA | *L.welshimeri* | P | -3 | 0.00 | - | 1129 | 0.50 | + | +HA | +MA | +MA | *L.welshimeri* | P | PA |
| U2 | PP1 | Oui | 4.4 | +LA | +LA | Ø | Ø | *L.innocua* | P | 7 | 0.00 | - | 8208 | 3.65 | + | / | +HA | +MB | *L.innocua* | P | PA |
| M16 | PP1 | Oui | 4.8 | PP1 | +LA | +LA | +LA | *L.welshimeri* | P | -4 | 0.00 | - | 25 | 0.01 | - | +MB | +MA | +MB | *L.welshimeri* | A | ND FN alt |
| M15 | PP1 | Oui | 5.7 | PP1 | +LA | +MA | +MA | *L.welshimeri* | P | -2 | 0.00 | - | 18 | 0.00 | - | Ø | Ø | Ø | / | A | ND |
| I37 | PP2 | Non | | Ø | Ø | Ø | Ø | / | A | 7575 | 2.04 | + | / | / | + par défaut | +HA | +HB | +HA | *L.monocytogenes* | P | PD |
| I39 | PP2 | Non | | Ø | Ø | Ø | Ø | / | A | 7296 | 1.96 | + | / | / | + par défaut | +HA | +HB | +HB | *L.monocytogenes* | P | PD |
| G6 | PP2 | Non | | Ø | +LA | +LB | +LB | *L.monocytogenes* | P | 7745 | 1.96 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| G7 | PP2 | Non | | +MA* | +MA* | +HA* | +MA* | *L.monocytogenes* | P | 7962 | 2.01 | + | / | / | + par défaut | +HA | +HA | +MA* | *L.monocytogenes* | P | PA |
| G14 | PP2 | Non | | +LA | +MB | +HA | +HA | *L.monocytogenes* | P | 7587 | 1.92 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | P | PA |
| G15 | PP2 | Non | | +MA | +MB | +HA | +HA | *L.monocytogenes* | P | 7082 | 1.79 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| G16 | PP2 | Non | | +MA | +MA | +HA | +HA | *L.monocytogenes* | P | 7329 | 1.85 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | P | PA |
| G17 | PP2 | Non | | +MA | +MA* | +HA* | +MA | *L.monocytogenes* | P | 7268 | 1.84 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| I33 | PP2 | Non | | +LA | +LA | +HA | +MA | *L.monocytogenes* | P | 7960 | 2.14 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| I34 | PP2 | Non | | +LB | +LA | +HA | +HA | *L.monocytogenes* | P | 7417 | 1.99 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| I35 | PP2 | Non | | +LA | +LA | +HA | +MA | *L.monocytogenes* | P | 7096 | 1.91 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| I38 | PP2 | Non | | +MA | +MA | +HA | +MA | *L.monocytogenes* | P | 7081 | 1.90 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| R3 | PP2 | Non | | Ø | +LA | Ø | +MA | *L.monocytogenes* | P | 7422 | 1.91 | + | / | / | + par défaut | +MA | +HA | +HA | *L.monocytogenes* | P | PA |
| R7 | PP2 | Non | | +LA | +LB | +HA | +MA | *L.monocytogenes* | P | 7411 | 1.90 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| S1 | PP2 | Non | | Ø | +LA | +MA | +MB | *L.monocytogenes* | P | 5386 | 1.37 | + | / | / | + par défaut | +MA | +MB | +MA | *L.monocytogenes* | P | PA |
| U8 | PP2 | Non | | Ø | +LA(3) | +HA | +MA | *L.monocytogenes* | P | 7581 | 1.93 | + | / | / | + par défaut | / | +MA | +MA | *L.monocytogenes* | P | PA |
| U3 | PP2 | Oui | 2.68 | Ø | Ø | Ø | Ø | / | A | 112 | 0.02 | - | 7812 | 3.47 | + | / | +HA | +MA | *L.innocua* | P | PD |
| S3 | PP2 | Oui | 2.46 | PP1 | +MA | +MB | +MB | *L.innocua* | P | -4 | 0.00 | - | 26 | 0.01 | - | Ø | Ø | -ME | Ø | A | ND |
| Q1 | PP3 | Non | | PP2 | +LA | +HA | +HA* | *L.monocytogenes* | P | 7294 | 1.87 | + | / | / | + par défaut | +MA | +HA | +MA* | *L.monocytogenes* | P | PA |
| G12 | PP3 | Non | | Ø | Ø | +HA | +HA | *L.monocytogenes* | P | 8320 | 2.11 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| G13 | PP3 | Non | | +LA | +LA | +HA | +HA | *L.monocytogenes* | P | 7414 | 1.88 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| I42 | PP3 | Non | | +HA* | +MA* | +HA | +MA* | *L.monocytogenes* | P | 7533 | 2.02 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| Q8 | PP3 | Non | | +LD | +MA | +HA | +MB | *L.monocytogenes* | P | 7676 | 1.97 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | P | PA |
| Q12 | PP3 | Non | | +LB(1) | +LA | +HA | +MA | *L.monocytogenes* | P | 1420 | 0.36 | + | / | / | + par défaut | +LA | +MB | +MA | *L.monocytogenes* | P | PA |
| R11 | PP3 | Oui | 0.2 | Ø | Ø | +MA | +MA | *L.innocua* | P | 14 | 0.00 | - | 7998 | 3.50 | + | +HA | +HA | +MA | *L.innocua* | P | PA |

## Vegetal products

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| B7 | PV1 | Non | | +LA | +LA | +HA | +MA | *L.monocytogenes* | P | 7197 | 1.92 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| E21 | PV1 | Non | | +LA | +LA | +HA | +HA | *L.innocua* | P | 2 | 0.00 | - | 8501 | 3.26 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| S17 | PV1 | Non | | +LB(2) | -ME | +MA | +MA | *L.monocytogenes* | P | 6729 | 1.71 | + | / | / | + par défaut | +MA | +MB | +MB | *L.monocytogenes* | P | PA |
| Q18 | PV1 | Oui | 2.2 | +LA | +LD | +HA | +MB | *L.monocytogenes* | P | -2 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | Ø | Ø | A | ND |
| L125-1 | PV1 | Oui | 2.7 | Ø | Ø | Ø | -LE | / | A | 25 | 0.00 | - | 2001 | 0.89 | + | / | +MA | +MB | *L.monocytogenes* | P | PD |
| S8 | PV1 | Oui | 4.92 | Ø | Ø | +MA | +MA | *L.monocytogenes* | P | -1 | 0.00 | - | 25 | 0.01 | - | Ø | -ME | -HE | / | A | ND |
| S9 | PV1 | Oui | 4.92 | +LA(1) | Ø | +MA | +MA | *L.monocytogenes* | P | 4860 | 1.24 | + | / | / | + par défaut | +MA | +HA | +MB | *L.monocytogenes* | P | PA |
| Q13 | PV1 | Oui | 6.6 | +MA | +MA | +HA | +HA | *L.innocua* | P | 7 | 0.00 | - | 7310 | 3.20 | + | +HA | +MA | +MA | *L.innocua* | P | PA |
| Q20 | PV1 | Oui | 6,6 et 1,4 | +LA | +LC | +HA | +MB | *L.innocua* | P | 66 | 0.01 | - | 7221 | 3.16 | + | +HA | +HA | +MB | *L.innocua* | P | PA |
| Q24 | PV1 | Oui | 10,6 et 2,2 | +LA | +LB | +HA | +MB | *L.innocua* | P | 19 | 0.00 | - | 7463 | 3.27 | + | +MA | +MA | +MB | *L.innocua* | P | PA |
| B25 | PV2 | Non | | +LA(1) | +LA(2) | +HB | +HA | *L.monocytogenes* | P | 4519 | 1.21 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| B12 | PV2 | Non | | +LA | +LB | +HA | +HA | *L.monocytogenes* | P | 7950 | 2.13 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| B20 | PV2 | Non | | +LB | +LA | +HB | +HA | *L.monocytogenes* | P | 10765 | 2.88 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | P | PA |
| C1 | PV2 | Non | | -LE | +LA | Ø | Ø | *L.grayi* | P | 7218 | 1.93 | + | / | / | + par défaut | +HB | +HA | +MA | *L.monocytogenes* | P | PA |
| C5 | PV2 | Non | | +MA | +MB | +MB | +MB | *L.monocytogenes* | P | 8754 | 2.34 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| P1 | PV2 | Non | | +MA | +MA | +HA | +HA | *L.monocytogenes* *L.innocua* | P | 7991 | 2.01 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | P | PA |
| P2 | PV2 | Non | | +HA | +HA | +HA | +HA | *L.monocytogenes* *L.innocua* | P | 7264 | 1.83 | + | / | / | + par défaut | +HA | +HA* | +HA* | *L.monocytogenes* | P | PA |
| P3 | PV2 | Non | | +MA | +MA | +HA | +HA | *L.monocytogenes* | P | 7271 | 1.83 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes* | P | PA |
| R1 | PV2 | Non | | +MA | +MB | +HA | +MA | *L.monocytogenes* | P | 7558 | 1.94 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | P | PA |
| R2 | PV2 | Non | | +MB | +MB* | +HB | +MB | *L.monocytogenes* *L.innocua* | P | 7450 | 1.91 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| S10 | PV2 | Non | | +MA | +MB | +HA | +MA | *L.monocytogenes* *L.innocua* | P | 7200 | 1.83 | + | / | / | + par défaut | +MA | +MB | +MB | *L.monocytogenes* | P | PA |
| S11 | PV2 | Non | | +MA | +MB | +MA | +MA | *L.monocytogenes* | P | 10774 | 2.75 | + | / | / | + par défaut | +MA | +MA | +MB | *L.monocytogenes* | P | PA |
| T1 | PV2 | Non | | +MA | +MB* | +HA | +MB* | *L.monocytogenes* *L.innocua* | P | 7668 | 1.95 | + | / | / | + par défaut | +MA | +HA* | +MB | *L.monocytogenes* *L.innocua* | P | PA |
| Q25 | PV2 | Oui | 2.2 | +LB | +LC | +MA | +MB | *L.monocytogenes* | P | 2649 | 0.68 | + | / | / | + par défaut | +LA | +MB | +MB* | *L.monocytogenes* | P | PA |
| Q17 | PV2 | Oui | 6.6 | +LA | +LC | +MA | +MB | *L.innocua* | P | 26 | 0.00 | - | 7258 | 3.18 | + | +MA | +HA | +MB | *L.innocua* | P | PA |
| Q16 | PV2 | Oui | 10.6 | +LA | +LC | +HA | +MB | *L.innocua* | P | 148 | 0.03 | - | 7729 | 3.39 | + | +MA | +MA | +MB | *L.innocua* | P | PA |
| C3 | PV3 | Non | | +LA | +LA | +MA | +MA | *L.monocytogenes* | P | 8921 | 2.39 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| T7 | PV3 | Non | | +HB | +LB | +HB | +HB* | *L.monocytogenes* *L.innocua* | P | 10588 | 2.70 | + | / | / | + par défaut | +HB | +HB | +MB* | *L.monocytogenes* *L.innocua* | P | PA |
| U12 | PV3 | Non | | +MA* | +MB* | +HB | +HB | *L.monocytogenes* *L.welshimeri* | P | 8785 | 2.24 | + | / | / | + par défaut | / | +MA* | +MB* | *L.monocytogenes* *L.welshimeri* | P | PA |
| V2 | PV3 | Non | | +LA | +LB | +HA | +HB | *L.innocua* | P | 426 | 0.11 | + | / | / | + par défaut | +HA | +HA | +MB | *L.innocua* | P | PA |
| | | | | | | | | | | 284 | 0.00 | + | 6696 | 2.34 | + | | | | | | |
| U9 | PV3 | Oui | 0.3 | -LE | +MB | -LE | +MC | *L.seeligeri* | P | -2 | 0.00 | - | 47 | 0.02 | - | -ME | -LE | +MC | Ø | A | ND |
| V3 | PV3 | Oui | 4.2 | +LA | +LB | +HA | +HB | *L.innocua* | P | 0 | 0.00 | - | 8653 | 3.03 | + | +HA | +HA | +HB | *L.innocua* | P | PA |
| V5 | PV3 | Oui | 4.2 | +MA | +LB | +HA | +MB | *L.innocua* | P | -2 | 0.00 | - | 8817 | 3.09 | + | +HA | +HA | +MA | *L.innocua* | P | PA |
| V6 | PV3 | Oui | 5.6 | +LA | +LA(3) | +HA | +HA | *L.innocua* | P | 23 | 0.00 | - | 8537 | 2.99 | + | +HA | +MA | +MA | *L.innocua* | P | PA |
| V4 | PV3 | Oui | 7.2 | +LA | +LB | +HA | +HB | *L.innocua* | P | 163 | 0.04 | - | 7981 | 2.79 | + | +HA | +HB | +HB | *L.innocua* | P | PA |
| V7 | PV3 | Oui | 7.2 | +MA | +MA | +HA | +MA | *L.innocua* | P | -1 | 0.00 | - | 8189 | 2.87 | + | +HA | +HA | +MA | *L.innocua* | P | PA |
| Q26 | PV3 | Oui | 6,6 et 1,4 | +LB | +LB | +HA | +MB | *L.innocua* | P | 14 | 0.00 | - | 7899 | 3.46 | + | +MA | +HA | +HB | *L.innocua* | P | PA |
| S13 | PV3 | Oui | 10 | +LA(3) | +LA(1) | +HA | +MA | *L.monocytogenes* | P | 6986 | 1.78 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| S15 | PV3 | Oui | 10 | +LA | +LA | +HA | +MA | *L.monocytogenes* | P | 6872 | 1.75 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| S16 | PV3 | Oui | 10 | +MB | +MB | +MA | +MA | *L.monocytogenes* | P | 6800 | 1.73 | + | / | / | + par défaut | +MA | +HB | +MA | *L.monocytogenes* | P | PA |
| T3 | PV3 | Non & Oui | 21.5 | +MA | +MB | +MB* | +MB | *L.monocytogenes* *L.innocua* | P | 3647 | 0.93 | + | / | / | + par défaut | +HA | +HB* | +HB | *L.monocytogenes* *L.innocua* | P | PA |

## Composite foods

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| B1 | C1 | *Non* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | P | 7567 | 2.02 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| B13 | C2 | *Non* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | P | 7421 | 1.98 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| B14 | C2 | *Non* | | +MA | +MA | +MA | +HA | *L.monocytogenes* | P | 7191 | 1.92 | + | / | / | + par défaut | +MA | +MA | +MA | *L.monocytogenes* | P | PA |
| C2 | C2 | *Non* | | +LA | Ø | +MA* | +MA* | *L.monocytogenes L.innocua* | P | 7073 | 1.89 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| Q10 | C2 | *Non* | | PP1 | -LE | Ø | -LE | / | A | -1 | 0.00 | - | 3522 | 1.54 | + | +MA | +LA | +LA | *L.welshimeri* | P | PD |
| S7 | C2 | *Oui* | *1.64* | Ø | Ø | +HA | +MA | *L.innocua* | P | 8 | 0.00 | - | 7940 | 3.53 | + | +MA | +MA | +MA | *L.innocua* | P | PA |
| B5 | C3 | *Non* | | +LA | +LA | +HA | +HA | *L.monocytogenes* | P | 8084 | 2.16 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| B9 | C3 | *Non* | | +MA | +MA | +HA* | +HA* | *L.monocytogenes* | P | 7509 | 2.01 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| C12 | C3 | *Non* | | +MA | +HA | +MA* | +MA* | *L.monocytogenes L.innocua* | P | 8050 | 2.15 | + | / | / | + par défaut | +HA | +MA | +MA | *L.monocytogenes L.innocua* | P | PA |
| P5 | C3 | *Non* | | +MA | +MA | +HA | +HA | *L.monocytogenes* | P | 7402 | 1.86 | + | / | / | + par défaut | +HA | +HA* | +MA | *L.monocytogenes* | P | PA |
| C13 | C3 | *Non* | | +LA | +LB | Ø | -ME | *L.grayi* | P | -5 | 0.00 | - | 25 | 0.00 | - | / | / | / | / | A | ND |
| L11 | C3 | *Oui* | *4.5* | +MA | +MA | +HA | +HA | *L.innocua* | P | 332 | 0.08 | + | / | / | + par défaut | +HA | +HB | +MA | *L.welshimeri* | P | PA |
| | | | | | | | | | | 1003a | 0.25 | + | / | / | + par défaut | | | | | | |
| | | | | | | | | | | 175b | 0.04 | - | 7015b | 3.11 | + | | | | | | |
| | | | | | | | | | | 1c | 0.00 | - | 10331c | 4.58 | + | | | | | | |
| J28 | C3 | *Oui* | *5* | Ø | Ø | Ø | Ø | / | A | 8 | 0.00 | - | 7893 | 3.37 | + | +HA | +HA | +HA | *L.innocua* | P | PD |
| J29 | C3 | *Oui* | *7.5* | +LA | +LA | +HA | +HA | *L.innocua* | P | 7 | 0.00 | - | 8108 | 3.46 | + | +HA | +HB | +HA | *L.innocua* | P | PA |
| L9 | C3 | *Oui* | *8.7* | +HA | +HA | +HA | +HA | *L.innocua* | P | 22 | 0.00 | - | 7795 | 3.46 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| J22 | C3 | *Oui* | *10* | +LA(1) | +LB(1) | +HA | +HB | *L.innocua* | P | 112 | 0.02 | - | 6703 | 2.86 | + | +HA | +HA | +HB | *L.innocua* | P | PA |
| J21 | C3 | *Oui* | *5,1 et 7,5* | +MA | +MA | +HA | +MA | *L.monocytogenes L.innocua* | P | 6498 | 1.65 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes L.innocua* | P | PA |

## Environmental samples

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| F18 | EN1 | *Non* | | +LA | +LA | +HA | +MA* | *L.monocytogenes* | P | 8612 | 2.30 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| G21 | EN1 | *Non* | | +LA | +LA* | +HA | +MA* | *L.monocytogenes L.innocua* | P | 6275 | 1.59 | + | / | / | + par défaut | +MA | +HA* | +MA* | *L.monocytogenes L.innocua* | P | PA |
| O20 | EN1 | *Non* | | +LA | +LA | +MA | +MA | *L.monocytogenes* | P | 6701 | 1.69 | + | / | / | + par défaut | / | +MA | +MA | *L.monocytogenes* | P | PA |
| H13 | EN1 | *Oui* | 4 et 0 | Ø | Ø | Ø | -LE | / | A | 7 | 0.00 | - | 7594 | 3.24 | + | +LA | +LA | +MA | *L.Innocua L.seeligeri* | P | PD |
| O18 | EN1 | *Oui* | 6.5 | +LA | +LA | +MA | +MB | *L.innocua* | P | 8 | 0.00 | - | 7026 | 3.12 | + | / | +HA | +MB | *L.innocua* | P | PA |
| H7 | EN1 | *Oui* | 8.0 | Ø | Ø | Ø | Ø | / | A | 8 | 0.00 | - | 7920 | 3.38 | + | +HA | +HA | +MA | *L.seeligeri* | P | PD |
| M27 | EN1 | *Oui* | 7 et 3,8 | +MA | +LA | +MA* | +MB* | *L.monocytogenes L.innocua* | P | 8030 | 2.02 | + | / | / | + par défaut | +HA | +HB* | +HA* | *L.monocytogenes* | P | PA |
| G27 | EN2 | *Non* | | Ø | -LE | -LE | -LE | / | A | 26 | 0.00 | - | 7575 | 2.91 | + | +HA | +HA | +HA | *L.welshimeri* | P | PD |
| O3 | EN2 | *Non* | | +LB | -ME | +HB | +MB | *L.monocytogenes* | P | -4 | 0.00 | - | 25 | 0.01 | - | / | -LE | -ME | / | A | ND |
| B28 | EN2 | *Non* | | Ø | Ø | +HA | +HA | *L.monocytogenes* | P | 7669 | 2.05 | + | / | / | + par défaut | +HA | +HA | +MB | *L.monocytogenes* | P | PA |
| D23 | EN2 | *Non* | | +HA | +HA | +MA | +MA | *L.monocytogenes* | P | 6778 | 1.71 | + | / | / | + par défaut | +HA | +HA | +HA | *L.monocytogenes* | P | PA |
| F25 | EN2 | *Non* | | +HA | +MA | +MA* | +MA* | *L.innocua* | P | -1 | 0.00 | - | 19 | 0.00 | - | Ø | Ø | Ø | / | A | ND |
| G25 | EN2 | *Non* | | +LA | +LB | +HA | +HA | *L.monocytogenes* | P | 7621 | 1.93 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | P | PA |
| G28 | EN2 | *Non* | | +MA | +MB | +HA | +MB | *L.monocytogenes* | P | 1171 | 0.29 | + | / | / | + par défaut | +HB | +MA | +MA | *L.monocytogenes* | P | PA |
| J7 | EN2 | *Non* | | +HA* | +MA* | +MA* | +MA* | *L.monocytogenes L.innocua* | P | 212 | 0.05 | + | / | / | + par défaut | +HA | +HA* | +MA* | *L.monocytogenes L.innocua* | P | PA |
| O1 | EN2 | *Non* | | +LA | +LA* | +HA | +HA | *L.monocytogenes L.innocua* | P | 7647 | 1.93 | + | / | / | + par défaut | / | +HA* | +MA | *L.monocytogenes L.innocua* | P | PA |
| O4 | EN2 | *Non* | | +LA | +LA* | +HA* | +MA* | *L.monocytogenes L.innocua* | P | 7969 | 2.01 | + | / | / | + par défaut | / | +HA* | +MA* | *L.monocytogenes L.innocua* | P | PA |
| O5 | EN2 | *Non* | | +MA | +MA | +HA* | +MA* | *L.monocytogenes* | P | 7273 | 1.83 | + | / | / | + par défaut | / | +MA | +MA | *L.monocytogenes* | P | PA |
| P9 | EN2 | *Non* | | +HA | +MB | +HB | +HB | *L.monocytogenes* | P | 7307 | 1.84 | + | / | / | + par défaut | +HA | +HB | +HB | *L.monocytogenes* | P | PA |
| H16 | EN2 | *Oui* | 0.1 | -LE | -LE | +HA | +HA | *L.innocua* | P | 0 | 0.00 | - | 7085 | 3.02 | + | -LE | -ME | -ME | Ø | P | PA |
| | | | | | | | | | | | | | | | | -LE | -ME | +MD | *L.innocua* | | |
| J1 | EN2 | *Oui* | *0,2 et 0,4* | Ø | Ø | -ME | -ME | / | A | 48 | 0.01 | - | 7901 | 3.37 | + | +HA | +HA | +HB | *L.innocua* | P | PD |
| J4 | EN2 | *Oui* | 0.8 | +LA | +LA | +MA | +MA | *L.innocua* | P | 119 | 0.03 | - | 7426 | 3.17 | + | +HA | +MA | +HB | *L.innocua* | P | PA |

## Environmental samples

| | | | | NF EN ISO 11290-1 METHOD | | | | | | VIDAS LDUO METHOD | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | Cat. | AC | CFU/25g | FRASER 1/2 | | FRASER | | CONFIRMATION | | VIDAS LDUO | | | | | | CONFIRMATION | | | | FINAL RESULT | COMPARISON |
| | | | | P1 | OA1 | P2 | OA2 | IDENTIF. | RESULT | RFV LMO | VT | RESULT TEST LMO | RFV LIS | VT | RESULT TEST LIS | PAL | RLM | OAA | IDENTIF. | | |
| J5 | EN2 | *Oui* | 1.2 | +LA(3) | +LA | +MA | +MA | *L.innocua* | P | 11 | 0.00 | - | 8106 | 3.46 | + | +MA | +HA | +MA | *L.innocua* | P | PA |
| J2 | EN2 | *Oui* | *0,4 et 0,8* | Ø | Ø | +MA | +MA | *L.innocua* | P | 51 | 0.01 | - | 7840 | 3.35 | + | +HA | +HA | +HA | *L.innocua* | P | PA |
| J6 | EN2 | *Oui* | 1.6 | +LA(2) | -LE | +MA | +MA | *L.innocua* | P | 54 | 0.01 | - | 7695 | 3.28 | + | +HA | +HA | +HB | *L.innocua* | P | PA |
| J3 | EN2 | *Oui* | 0,6 et 1,2 | +LA | +LB | +MA* | +MB | *L.monocytogenes* | P | 6823 | 1.73 | + | / | / | + par défaut | +HA* | +HB* | +HA | *L.monocytogenes* *L.innocua* | P | PA |
| O13 | EN2 | *Oui* | 6.5 | +LA | +LA | +MA | +MA | *L.monocytogenes* | P | 7157 | 1.80 | + | / | / | + par défaut | / | +HA | +MA | *L.monocytogenes* | P | PA |
| I32 | EN3 | *Non* | | Ø | Ø | Ø | Ø | / | A | 3 | 0.00 | - | 8672 | 3.39 | + | +HA | +HA | +HA | *L.welshimeri* *L.innocua* | P | PD |
| I43 | EN3 | *Non* | | Ø | Ø | Ø | Ø | / | A | 6758 | 1.82 | + | / | / | + par défaut | +HA | +HB | +MA | *L.monocytogenes* | P | PD |
| C14 | EN3 | *Non* | | +MA | +MA | +MB | +MB | *L.monocytogenes* | P | 7527 | 2.01 | + | / | / | + par défaut | +HA | +HA | +HB | *L.monocytogenes* | P | PA |
| C15 | EN3 | *Non* | | +MA | +MA | +HA | +MA | *L.monocytogenes* | P | 7734 | 2.07 | + | / | / | + par défaut | +HA | +HA | +MA | *L.monocytogenes* | P | PA |
| O6 | EN3 | *Non* | | +MA | +MB | +HA* | +MB* | *L.monocytogenes* *L.innocua* | P | 7242 | 1.82 | + | / | / | + par défaut | / | +HA* | +MB* | *L.monocytogenes* *L.innocua* | P | PA |
| O7 | EN3 | *Non* | | +MA | +MA | +MA* | +MA* | *L.monocytogenes* | P | 7307 | 1.84 | + | / | / | + par défaut | / | +HA* | +MA | *L.monocytogenes* | P | PA |
| O8 | EN3 | *Non* | | +MA | +MA | +MA | +MB | *L.monocytogenes* | P | 7507 | 1.89 | + | / | / | + par défaut | / | +HA | +MA | *L.monocytogenes* | P | PA |
| O9 | EN3 | *Non* | | +MA | +MA | +MA | +MA | *L.monocytogenes* | P | 7358 | 1.85 | + | / | / | + par défaut | / | +HA* | +MB | *L.monocytogenes* | P | PA |
| P11 | EN3 | *Non* | | Ø | +LB | Ø | Ø | *L.monocytogenes* | P | 7239 | 1.82 | + | / | / | + par défaut | +MB | +LB* | +HB* | *L.monocytogenes* | P | PA |
| P12 | EN3 | *Non* | | Ø | +LB | +MA | +MA* | *L.monocytogenes* | P | 7154 | 1.80 | + | / | / | + par défaut | +LB | +LB | +MA* | *L.monocytogenes* | P | PA |
| O15 | EN3 | *Oui* | <1 | +MA | +MB | +MA | +LB | *L.monocytogenes* | P | 3533 | 0.89 | + | / | / | + par défaut | / | +MA | +MB | *L.monocytogenes* | P | PA |
| O14 | EN3 | *Oui* | 9.7 | +MA | +MB | +MA | +LB | *L.monocytogenes* | P | 40 | 0.01 | - | 1914 | 0.85 | + | / | +MA | -ME | *L.monocytogenes* | P | PA |
| | | | | | | | | | | 1423a | 0.35 | + | / | / | + par défaut | / | | | | | FAUX |

# APPENDIX D3

# THIRD RENEWAL STUDY

# SENSITIVITY RAW RESULTS

## Meat products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017(■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | | Conf. acc. ISO 11290-1 | | Final result | | VIDAS LDUO | | | | | | | Final result | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | | |
| 1398360 | Spiced cooked chicken wings | MP | b+ | *Yes* | 3.0 | - ØE | - LE | + HC | + HC | pos. | *L. monocytogenes* | P | 9321 | 2.50 | pos. | / | / | pos. | + HA | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8008 | 1.99 | pos. | / | / | pos. | pos. | P | PA |
| 1398361 | Bolognese escalope | MP | b+ | *Yes* | 3.0 | + LA | + LA | + HA | + HB | pos. | *L. monocytogenes* | P | 10528 | 2.83 | pos. | / | / | pos. | + HA | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9323 | 2.32 | pos. | / | / | pos. | pos. | P | PA |
| 1420567 | Ready-to-reheat cooked beef | MP | b- | *No* | / | - ØE | - ØE | - LE | - LE | / | / | A | -2 | -0.00 | neg. | 12 | 0.00 | neg | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420569 | Blood sausage with onions | MP | b- | *No* | / | - ØE | - ØE | - ME | - ME | / | / | A | 2 | 0.00 | neg. | 15 | 0.00 | neg | - ME | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Dairy products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017(■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | | Conf. acc. ISO 11290-1 | | Final result | | VIDAS LDUO | | | | | | | Final result | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | | |
| 1370083 | Sliced cheddar (pasteurized milk) | DP | c+ | *Yes* | 2.4 | + LA | + LD | + HA | + HB | pos. | *L. monocytogenes* | P | 8914 | 2.15 | pos. | / | / | pos. | + HB | + HC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9777 | 2.36 | pos. | / | / | pos. | pos. | P | PA |
| 1370089 | Sliced cheddar (pasteurized milk) | DP | c- | *No* | / | - LE | - ME | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 14 | 0.00 | neg. | - LE | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1398363 | Raw cow milk | DP | c+ | *Yes* | 2.2 | + LA | + LC | + HA | + HA | pos. | *L. monocytogenes* | P | 8706 | 2.34 | pos. | / | / | pos. | + HA | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9112 | 2.26 | pos. | / | / | pos. | pos. | P | PA |
| 1398364 | Slice fourme d'Ambert (pasteurized milk) | DP | c+ | *Yes* | 2.2 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 8579 | 2.30 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9095 | 2.26 | pos. | / | / | pos. | pos. | P | PA |
| 1398365 | Ewe soft cheese (pasteurized milk) | DP | c+ | *Yes* | 1.0 | + LA | + LC | + HB | + HA | pos. | *L. monocytogenes* | P | 8248 | 2.21 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9020 | 2.24 | pos. | / | / | pos. | pos. | P | PA |
| 1398366 | Ewe cheese, pressed not-cooked (pasteurized milk) | DP | c+ | *Yes* | 1.0 | + LA | - LE | + HA | + HB | pos. | *L. monocytogenes* | P | 10462 | 2.81 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 7203 | 1.79 | pos. | / | / | pos. | pos. | P | PA |
| 1398367 | Cheese product with garlic and herbs (pasteurized milk) | DP | c+ | *Yes* | 2.2 | + LB | + LB | + HA | + HB | pos. | *L. monocytogenes* | P | 9089 | 2.44 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9037 | 2.25 | pos. | / | / | pos. | pos. | P | PA |
| 1398371 | Coffee ice-cream with hazelnut sauce | DP | c+ | *Yes* | 1.2 | - LE | + LC | + HB | + HC | pos. | *L. ivanovii* | P | 1 | 0.00 | neg. | 451 | 0.16 | pos. | + MA | - ME | *L. ivanovii* | + | *L. ivanovii* | P | PA | 2 | 0.00 | neg. | 447 | 0.14 | pos. | pos. | P | PA |
| 1420538 | Goat raw milk cheese 1 | DP | b+ | *Yes* | 2.6 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 9631 | 2.32 | pos. | / | / | pos. | + MA | + MA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9631 | 2.32 | pos. | / | / | pos. | pos. | P | PA |

## Seafood products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | | Conf. acc. ISO 11290-1 | | Final result | | VIDAS LDUO | | | | | | | Final result | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | | |
| 1398351 | Scallop terrine | SP | c+ | *Yes* | 3.0 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 9101 | 2.44 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9164 | 2.28 | pos. | / | / | pos. | pos. | P | PA |
| 1398352 | Minced Alaska pollock with lemon and onion | SP | c+ | *Yes* | 3.0 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 9014 | 2.42 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9294 | 2.31 | pos. | / | / | pos. | pos. | P | PA |
| 1398353 | Tuna rillettes | SP | c+ | *Yes* | 2.6 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 9233 | 2.48 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9369 | 2.33 | pos. | / | / | pos. | pos. | P | PA |
| 1398354 | Surimi sticks | SP | c+ | *Yes* | 2.6 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 9521 | 2.55 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9502 | 2.36 | pos. | / | / | pos. | pos. | P | PA |
| 1420556 | Marinated anchovies | SP | b- | *No* | / | - LE | - ØE | - ME | - LE | / | / | A | -3 | 0.00 | neg. | 19 | 0.00 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420557 | Ready-to-cook smoked salmon offcuts | SP | b- | *No* | / | - ØE | - ØE | - LE | - LE | / | / | A | -3 | 0.00 | neg. | 23 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420558 | Cooked crumbled cod | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -4 | 0.00 | neg. | 24 | 0.01 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420559 | Truit eggs | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -4 | 0.00 | neg. | 31 | 0.01 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420566 | Salmon preparation with chives | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -3 | 0.00 | neg. | 21 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420568 | Ready-to-eat cooked tuna slices with tomato | SP | c- | *No* | / | - ØE | - LE | - ØE | - LE | / | / | A | -2 | 0.00 | neg. | 33 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420576 | Ready-to-reheat fish & shellfish meal | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -3 | 0.00 | neg. | 20 | 0.00 | neg. | - LE | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Vegetal products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | | Conf. acc. ISO 11290-1 | | Final result | | VIDAS LDUO | | | | | | | Final result | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | | |
| 1372306 | Fresh chive | VP | a+ | *Yes* | 2.4 | - ØE | - ØE | - LE | - LE | / | / | A | 2569 | 0.62 | pos. | / | / | pos. | + LB | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 3369 | 0.81 | pos. | / | / | pos. | pos. | P | PD |
| 1372308 | Mixture of aromatic herbs | VP | c+ | *Yes* | 1.6 | - LE | - LE | + HA | + HA | pos. | *L. monocytogenes* | P | 7630 | 1.84 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8260 | 1.99 | pos. | / | / | pos. | pos. | P | PA |
| 1372312 | Fresh chive | VP | a- | *No* | / | - ME | - ME | - LE | - LE | / | / | A | 0 | 0.00 | neg. | 15 | 0.00 | neg. | - ME | - HE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372314 | Mixture of aromatic herbs | VP | c- | *No* | / | - HE | - LE | - LE | - LE | / | / | A | 1 | 0.00 | neg. | 15 | 0.00 | neg. | - ME | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1398372 | Frozen vegetables gyoza | VP | c+ | *Yes* | 0.8 | + LB | - LE | + MC | - ME | neg. | / | A | 2441 | 0.65 | pos. | / | / | pos. | + HA | - HE | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 2907 | 0.72 | pos. | / | / | pos. | pos. | P | PD |
| 1398373 | Frozen puree: carot, sweet potato, pumpkin and potato | VP | c+ | *Yes* | 0.8 | + LD | + LD | + HA | + HA | pos. | *L. monocytogenes* | P | 4106 | 1.10 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9212 | 2.29 | pos. | / | / | pos. | pos. | P | PA |
| 1398374 | Frozen stew: green beans, potatoes, mushrooms, carots | VP | c+ | *Yes* | 0.8 | + LB | - LE | + HA | + HB | pos. | *L. monocytogenes* | P | 2633 | 0.70 | pos. | / | / | pos. | + HA | - ME | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 1748 | 0.43 | pos. | / | / | pos. | pos. | P | PA |
| 1409272 | Fruit salad | VP | c- | *Yes* | 0.8 | - ØE | - ØE | - ØE | - ØE | / | / | A | -2 | -0.00 | neg. | 12 | 0.00 | neg. | - ME | - ØE | / | / | / | A | NA | -2 | -0.00 | neg. | 17 | 0.00 | neg. | / | / | / |
| 1409273 | Apple red berries compote with whipped cream | VP | c- | *Yes* | 0.8 | - ØE | - ØE | - ØE | - ØE | / | / | A | -3 | -0.00 | neg. | 8 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | -3 | -0.00 | neg. | 15 | 0.00 | neg. | / | / | / |
| 1420540 | Strawberries | VP | a+ | *Yes* | 2.8 | - ME | - LE | + MB | + MC | pos. | *L. monocytogenes* | P | 9118 | 2.26 | pos. | / | / | pos. | + HB | + MB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8491 | 2.11 | pos. | / | / | pos. | pos. | P | PA |
| 1420562 | Guacamole | VP | c- | *No* | / | - LE | - ØE | - LE | - LE | / | / | A | -3 | -0.00 | neg. | 25 | 0.01 | neg. | - ME | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Environmental samples

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | | Conf. acc. ISO 11290-1 | | Final result | | VIDAS LDUO | | | | | | | Final result | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | | |
| 1420550 | Process water vegetable processing area | ES | a+ | *Yes* | 2.4 | + LB | + LC | + HB | + HC | pos. | *L. monocytogenes* | P | 9734 | 2.41 | pos. | / | / | pos. | + HB | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9734 | 2.41 | pos. | / | / | pos. | pos. | P | PA |
| 1420551 | Process water dairy plant | ES | a+ | *Yes* | 2.4 | + LA | + LB | + HA | + MB | pos. | *L. monocytogenes* | P | 9385 | 2.33 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9385 | 2.33 | pos. | / | / | pos. | pos. | P | PA |
| 1420552 | Process water egg processing plant | ES | a+ | *Yes* | 2.4 | + LA | + LA | + MA | + HA | pos. | *L. monocytogenes* | P | 8459 | 2.10 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8459 | 2.10 | pos. | / | / | pos. | pos. | P | PA |
| 1420580 | Residue fish plant | ES | c- | *No* | / | - ØE | - ØE | - LE | - ØE | / | / | A | -1 | -0.00 | neg. | 11 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420581 | Residue vegetable processing area | ES | c- | *No* | / | - LE | - ØE | - ME | - ME | / | / | A | -2 | -0.00 | neg. | 9 | 0.00 | neg. | - ME | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420582 | Residue dairy plant | ES | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | 2 | 0.00 | neg. | 16 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420583 | Residue egg processing plant | ES | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -2 | -0.00 | neg. | 12 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Composite foods

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | VIDAS LDUO D+3 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | | Confirmation | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | Comparison | VIDAS LDUO | | | | | | | Final result | Comparison |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | | |
| 1370078 | Gambas and scallop marinade with lemon | CF | a- | *Yes* | 1.0 | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 15 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1370081 | Sweetbread bouchée | CF | b+ | *Yes* | 0.2 | - ØE | - ØE | - ØE | - ØE | / | / | A | 8925 | 2.15 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 9864 | 2.38 | pos. | / | / | pos. | pos. | P | PD |
| 1370082 | Goat cheese soufflé | CF | b- | *Yes* | 1.2 | - ØE | - ØE | - ØE | - ØE | / | / | A | 1 | 0.00 | neg. | 55 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1370085 | Vegetables lasagna with pesto | CF | b+ | *No* | / | + LB | + LB | + HB | + HB | pos. | *L. monocytogenes* | P | 10280 | 2.61 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 13288 | 3.21 | pos. | / | / | pos. | pos. | P | PA |
| 1370086 | Rustic white pudding | CF | b+ | *No* | / | + LD (4) | - LE | + MA | + HA | pos. | *L. monocytogenes* | P | 8949 | 2.16 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 10126 | 2.45 | pos. | / | / | pos. | pos. | P | PA |
| 1370087 | Sweetbread bouchée | CF | b- | *No* | / | - LE | - LE | - ØE | - ØE | / | / | A | 1 | 0.00 | neg. | 13 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1370088 | Goat cheese soufflé | CF | b- | *No* | / | - LE | - LE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 13 | 0.00 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372303 | Mixed vegetables with mayonnaise | CF | a+ | *Yes* | 1.8 | - LE | - LE | - LE | - LE | / | / | A | 9813 | 2.37 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 9760 | 2.36 | pos. | / | / | pos. | pos. | P | PD |
| 1372304 | Chorizo slices | CF | a- | *Yes* | 2.4 | - LE | - LE | - ØE | - ME | / | / | A | 0 | 0.00 | neg. | 35 | 0.01 | neg. | - LE | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372305 | Coleslaw salad | CF | a+ | *Yes* | 3.8 | + LB | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | -1 | -0.00 | neg. | 13 | 0.00 | neg. | - ME | - ME | / | / | / | A | ND | 0 | 0.00 | neg. | 14 | 0.00 | neg. | neg. | A | ND |
| 1372307 | Cooked turkey aiguillettes | CF | b+ | *Yes* | 0.8 | - LE | - LE | - ØE | - ØE | / | / | A | 1583 | 0.38 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 997 | 0.24 | pos. | / | / | pos. | pos. | P | PD |
| 1372309 | Mixed vegetables with mayonnaise | CF | a- | *No* | / | - LE | - LE | - LE | - LE | / | / | A | 0 | 0.00 | neg. | 13 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372311 | Coleslaw salad | CF | a- | *No* | / | - LE | - LE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 13 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372313 | Cooked turkey aiguillettes | CF | b- | *No* | / | - ØE | - ØE | - LE | - ØE | / | / | A | 0 | 0.00 | neg. | 16 | 0.01 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1398355 | Chocolate fondant | CF | c+ | *Yes* | 1.8 | + LD (2) | - LE | + MB | + HD | pos. | *L. ivanovii* | P | 0 | 0.00 | neg. | 12758 | 4.65 | pos. | + MA | - ME | *L. ivanovii* | + | *L. ivanovii* | P | PA | 1 | 0.00 | neg. | 13750 | 4.60 | pos. | pos. | P | PA |
| 1398356 | Ricotta - spinach ravioli | CF | b+ | *Yes* | 1.4 | + LC | + LC | + HA | + HC | pos. | *L. welshimeri* | P | 0 | 0.00 | neg. | 10857 | 3.96 | pos. | + MA | + HB | *L. welshimeri* | + | *L. welshimeri* | P | PA | 1 | 0.00 | neg. | 12035 | 4.03 | pos. | pos. | P | PA |
| 1398357 | Custard | CF | c+ | *Yes* | 1.8 | + LA | + LA | + HA | + HA | pos. | *L. ivanovii* | P | -2 | -0.00 | neg. | 11 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | ND | -1 | -0.00 | neg. | 14 | 0.00 | neg. | neg. | A | ND |
| 1398358 | Cheese pie | CF | b+ | *Yes* | 1.4 | + LA | + LC | + HA | + HB | pos. | *L. welshimeri* | P | 1 | 0.00 | neg. | 9263 | 3.38 | pos. | + HB | + HB | *L. welshimeri* | + | *L. welshimeri* | P | PA | 0 | 0.00 | neg. | 9608 | 3.21 | pos. | pos. | P | PA |
| 1398359 | Tortilla with onions | CF | c+ | *Yes* | 1.4 | + LB | + LC | + HA | + HB | pos. | *L. welshimeri* | P | 3 | 0.00 | neg. | 9423 | 3.44 | pos. | + HA | + HB | *L. welshimeri* | + | *L. welshimeri* | P | PA | 1 | 0.00 | neg. | 9813 | 3.28 | pos. | pos. | P | PA |
| 1398362 | Pork nems | CF | b+ | *Yes* | 0.6 | + LB | - LE | + HA | + HC | pos. | *L. monocytogenes* | P | 0 | 0.00 | neg. | 17 | 0.00 | neg. | - LE | - ME | / | / | / | A | ND | 3 | 0.00 | neg. | 22 | 0.00 | neg. | neg. | A | ND |
| 1398368 | Chocolate and coffee "religieuse" pastry | CF | c- | *Yes* | 1.8 | + LB | - LE | - ME | - ME | neg. | / | A | 4 | 0.00 | neg. | 223 | 0.08 | neg. | - MB | - ME | *L. ivanovii* | + | *L. ivanovii* | A (FN) | NA | 4 | 0.00 | neg. | 211 | 0.07 | pos. | pos. | A (FN) | NA |
| 1398369 | Grilled chicken and mayonnaise sandwich | CF | a+ | *Yes* | 0.6 | + LB | + MC | + HA | + HB | pos. | *L. monocytogenes* | P | 8811 | 2.36 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9183 | 2.28 | pos. | / | / | pos. | pos. | P | PA |
| 1398370 | Chicken cheddar hamburger with barbecue sauce | CF | b+ | *Yes* | 0.6 | + MA | + LB | + HA | + HC | pos. | *L. monocytogenes* | P | 8760 | 2.35 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9427 | 2.34 | pos. | / | / | pos. | pos. | P | PA |
| 1409264 | Cocktail bites bacon/cheese | CF | a+ | *Yes* | 2.8 | + MB | + LC | + MA | + MB | pos. | *L. monocytogenes* | P | 8952 | 2.33 | pos. | / | / | pos. | + MA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9372 | 2.44 | pos. | / | / | pos. | pos. | P | PA |
| 1409265 | Sandwich ham chedddar salad | CF | a+ | *Yes* | 2.4 | + LA | + LE | + MA | + ME | pos. | *L. welshimeri* | P | -2 | -0.00 | neg. | 26 | 0.00 | neg. | - LE | - ME | / | / | / | A | ND | -2 | -0.00 | neg. | 19 | 0.00 | neg. | / | / | / |
| 1409266 | Cheese bites with spices and herbs | CF | a+ | *Yes* | 1.0 | + MA | + MB | + MA | + HB | pos. | *L. monocytogenes* | P | 9165 | 2.39 | pos. | / | / | pos. | + MA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9566 | 2.49 | pos. | / | / | pos. | pos. | P | PA |
| 1409267 | Wrap bacon, yoghurt sauce, egg, marinated tomatoes | CF | a+ | *Yes* | 2.4 | + LA | + LA | + MA | + MA | pos. | *L. innocua* | P | -1 | -0.00 | neg. | 11880 | 3.97 | pos. | + MC | + HC | *L. innocua* | + | *L. innocua* | P | PA | -1 | -0.00 | neg. | 12209 | 4.08 | pos. | pos. | P | PA |
| 1409268 | Sandwich beef, cheese sauce and cheese | CF | b+ | *Yes* | 2.8 | + MC | + MC | + MC | + MC | pos. | *L. monocytogenes* | P | 9057 | 2.36 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9460 | 2.47 | pos. | / | / | pos. | pos. | P | PA |
| 1409269 | Rillauds (ready-to-eat cooked pork bites) | CF | a+ | *Yes* | 2.8 | + MA | + ME | + MA | + MB | pos. | *L. monocytogenes* | P | 11838 | 3.09 | pos. | / | / | pos. | + MA | + MA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 12598 | 3.29 | pos. | / | / | pos. | pos. | P | PA |
| 1409270 | Fusili carbonara | CF | b+ | *Yes* | 1.0 | + MA | + HA | + MA | + MA | pos. | *L. monocytogenes* | P | 10936 | 2.85 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* *L. ivanovii* | + | *L. monocytogenes* *L. ivanovii* | P | PA | 10777 | 2.81 | pos. | / | / | pos. | pos. | P | PA |
| 1409271 | Cucumber with cottage cheese and chives | CF | a+ | *Yes* | 0.8 | + MC | + MA | + MA | + MB | pos. | *L. innocua* | P | 10933 | 2.85 | pos. | / | / | pos. | + MA | + MC | *L. monocytogenes* *L. innocua* | + | *L. monocytogenes* *L. innocua* | P | PA | 8873 | 2.31 | pos. | / | / | pos. | pos. | P | PA |
| 1409274 | Beef muzzle à la lyonnaise | CF | a+ | *Yes* | 2.0 | + LA | + LA | + MA | + MA | pos. | *L. welshimeri* | P | -1 | -0.00 | neg. | 9152 | 3.05 | pos. | + MA | + HA | *L. welshimeri* | + | *L. welshimeri* | P | PA | -2 | -0.00 | neg. | 9293 | 3.10 | pos. | pos. | P | PA |
| 1409275 | Saveloy salad with vinaigrette | CF | a+ | *Yes* | 2.0 | + LA | + LB | + MA | + MB | pos. | *L. welshimeri* | P | 8449 | 2.20 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8385 | 2.18 | pos. | / | / | pos. | pos. | P | PA |
| 1420553 | Liquid pasteurized whole eggs | CF | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -2 | -0.00 | neg. | 10 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420554 | Béchamel sauce | CF | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 12 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420555 | Liquid pasteurized egg whites | CF | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 11 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420560 | Marinated cooked onions ready-to-eat | CF | a- | *No* | / | - LE | - ØE | - LE | - ØE | / | / | A | -1 | -0.00 | neg. | 11 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420561 | Tomatoes baked in olive oil ready-to-eat | CF | a- | *No* | / | - ØE | - ØE | - LE | - LE | / | / | A | -1 | -0.00 | neg. | 9 | 0.00 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420563 | Marinated grilled mushrooms ready-to-eat | CF | a- | *No* | / | - LE | - ØE | - LE | - ØE | / | / | A | -1 | -0.00 | neg. | 12 | 0.00 | neg. | - ME | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420564 | Salad tuna, vegetables, egg, rice, vinaigrette | CF | a- | *No* | / | - ØE | - LE | - LE | - ME | / | / | A | -2 | -0.00 | neg. | 10 | 0.00 | neg. | - ME | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420565 | Ready-to-reheat vegetal meal with pepper and parsil | CF | b- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | 1 | 0.00 | neg. | 13 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420570 | Soy and wheat vegetal meal | CF | b- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -2 | -0.00 | neg. | 11 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420571 | Wheat galettes with feta and olives | CF | b- | *No* | / | - ØE | - LE | - ØE | - ØE | / | / | A | -2 | -0.00 | neg. | 10 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420572 | Paella | CF | b- | *No* | / | - ØE | - ØE | - ØE | - LE | / | / | A | -1 | -0.00 | neg. | 15 | 0.00 | neg. | - LE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420573 | Salad salmon, pasta, eggs, cottage cheese sauce | CF | a- | *No* | / | - LE | - LE | - LE | - LE | / | / | A | -1 | -0.00 | neg. | 20 | 0.00 | neg. | - ME | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420574 | Praliné-flavoured cream pastry | CF | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 18 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420575 | Fraisier (strawberry-flavoured cream pastry) | CF | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -2 | -0..00 | neg. | 16 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420577 | Egg powder | CF | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -3 | -0.00 | neg. | 10 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420578 | Salted egg yolk | CF | c- | *No* | / | - LE | - LE | - ME | - ME | / | / | A | -1 | -0.00 | neg. | 16 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420579 | Salad emmental ham | CF | a- | *No* | / | - LE | - ØE | - LE | - LE | / | / | A | -2 | -0.00 | neg. | 32 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Meat products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | | | | | | | | | | | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | Final result | |
| 1398360 | Spiced cooked chicken wings | MP | b+ | *Yes* | 3.0 | - ØE | - LE | + HC | + HC | pos. | *L. monocytogenes* | P | 9321 | 2.50 | pos. | / | / | pos. | + HA | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8008 | 1.99 | pos. | / | / | pos. | pos. | P | PA |
| 1398361 | Bolognese escalope | MP | b+ | *Yes* | 3.0 | + LA | + LA | + HA | + HB | pos. | *L. monocytogenes* | P | 10528 | 2.83 | pos. | / | / | pos. | + HA | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9323 | 2.32 | pos. | / | / | pos. | pos. | P | PA |

## Dairy products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | | | | | | | | | | | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | Final result | |
| 1370083 | Sliced cheddar (pasteurized milk) | DP | c+ | *Yes* | 2.4 | + LA | + LD | + HA | + HB | pos. | *L. monocytogenes* | P | 8914 | 2.15 | pos. | / | / | pos. | + HB | + HC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9777 | 2.36 | pos. | / | / | pos. | pos. | P | PA |
| 1370089 | Sliced cheddar (pasteurized milk) | DP | c- | *No* | / | - LE | - ME | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 14 | 0.00 | neg. | - LE | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1398363 | Raw cow milk | DP | c+ | *Yes* | 2.2 | + LA | + LC | + HA | + HA | pos. | *L. monocytogenes* | P | 8706 | 2.34 | pos. | / | / | pos. | + HA | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9112 | 2.26 | pos. | / | / | pos. | pos. | P | PA |
| 1398364 | Slice fourme d'Ambert (pasteurized milk) | DP | c+ | *Yes* | 2.2 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 8579 | 2.30 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9095 | 2.26 | pos. | / | / | pos. | pos. | P | PA |
| 1398365 | Ewe soft cheese (pasteurized milk) | DP | c+ | *Yes* | 1.0 | + LA | + LC | + HB | + HA | pos. | *L. monocytogenes* | P | 8248 | 2.21 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9020 | 2.24 | pos. | / | / | pos. | pos. | P | PA |
| 1398366 | Ewe cheese, pressed not-cooked (pasteurized milk) | DP | c+ | *Yes* | 1.0 | + LA | - LE | + HA | + HB | pos. | *L. monocytogenes* | P | 10462 | 2.81 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 7203 | 1.79 | pos. | / | / | pos. | pos. | P | PA |
| 1398367 | Cheese product with garlic and herbs (pasteurized milk) | DP | c+ | *Yes* | 2.2 | + LB | + LB | + HA | + HB | pos. | *L. monocytogenes* | P | 9089 | 2.44 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9037 | 2.25 | pos. | / | / | pos. | pos. | P | PA |
| 1420538 | Goat raw milk cheese 1 | DP | b+ | *Yes* | 2.6 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 9631 | 2.32 | pos. | / | / | pos. | + MA | + MA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 10072 | 2.39 | pos. | / | / | pos. | pos. | P | PA |
| 1420539 | Goat raw milk cheese 2 | DP | b+ | *Yes* | 2.6 | + LA | + LB | + MA | + HB | pos. | *L. monocytogenes* | P | 10021 | 2.49 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9620 | 2.39 | pos. | / | / | pos. | pos. | P | PA |

## Seafood products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | | | | | | | | | | | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | Final result | |
| 1398351 | Scallop terrine | SP | c+ | *Yes* | 3.0 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 9101 | 2.44 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9164 | 2.28 | pos. | / | / | pos. | pos. | P | PA |
| 1398352 | Minced Alaska pollock with lemon and onion | SP | c+ | *Yes* | 3.0 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 9014 | 2.42 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9294 | 2.31 | pos. | / | / | pos. | pos. | P | PA |
| 1398353 | Tuna rillettes | SP | c+ | *Yes* | 2.6 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 9233 | 2.48 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9369 | 2.33 | pos. | / | / | pos. | pos. | P | PA |
| 1398354 | Surimi sticks | SP | c+ | *Yes* | 2.6 | + LA | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | 9521 | 2.55 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9502 | 2.36 | pos. | / | / | pos. | pos. | P | PA |
| 1420558 | Cooked crumbled cod | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -4 | 0.00 | neg. | 24 | 0.01 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420559 | Fruit eggs | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -4 | 0.00 | neg. | 31 | 0.01 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420566 | Salmon preparation with chives | SP | c- | *No* | / | - ØE | - ØE | - ØE | - ØE | / | / | A | -3 | 0.00 | neg. | 21 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420568 | Ready-to-eat cooked tuna slices with tomato | SP | c- | *No* | / | - ØE | - LE | - ØE | - LE | / | / | A | -2 | 0.00 | neg. | 33 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Vegetal products

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | | | | | | | | | | | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | Final result | |
| 1372306 | Fresh chive | VP | a+ | *Yes* | 2.4 | - ØE | - ØE | - LE | - LE | / | / | A | 2569 | 0.62 | pos. | / | / | pos. | + LB | + MC | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 3369 | 0.81 | pos. | / | / | pos. | pos. | P | PD |
| 1372308 | Mixture of aromatic herbs | VP | c+ | *Yes* | 1.6 | - LE | - LE | + HA | + HA | pos. | *L. monocytogenes* | P | 7630 | 1.84 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8260 | 1.99 | pos. | / | / | pos. | pos. | P | PA |
| 1372312 | Fresh chive | VP | a- | *No* | / | - ME | - ME | - LE | - LE | / | / | A | 0 | 0.00 | neg. | 15 | 0.00 | neg. | - ME | - HE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372314 | Mixture of aromatic herbs | VP | c- | *No* | / | - HE | - LE | - LE | - LE | / | / | A | 1 | 0.00 | neg. | 15 | 0.00 | neg. | - ME | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1398372 | Frozen vegetables gyoza | VP | c+ | *Yes* | 0.8 | + LB | - LE | + MC | - ME | neg. | / | A | 2441 | 0.65 | pos. | / | / | pos. | + HA | - HE | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 2907 | 0.72 | pos. | / | / | pos. | pos. | P | PD |
| 1398373 | Frozen puree: carot, sweet potato, pumpkin and potato | VP | c+ | *Yes* | 0.8 | + LD | + LD | + HA | + HA | pos. | *L. monocytogenes* | P | 4106 | 1.10 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9212 | 2.29 | pos. | / | / | pos. | pos. | P | PA |
| 1398374 | Frozen stew: green beans, potatoes, mushrooms, carots | VP | c+ | *Yes* | 0.8 | + LB | - LE | + HA | + HB | pos. | *L. monocytogenes* | P | 2633 | 0.70 | pos. | / | / | pos. | + HA | - ME | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 1748 | 0.43 | pos. | / | / | pos. | pos. | P | PA |
| 1409272 | Fruit salad | VP | c- | *Yes* | 0.8 | - ØE | - ØE | - ØE | - ØE | / | / | A | -2 | -0.00 | neg. | 12 | 0.00 | neg. | - ME | - ØE | / | / | / | A | NA | -2 | -0.00 | neg. | 17 | 0.00 | neg. | / | / | / |
| 1409273 | Apple red berries compote with whipped cream | VP | c- | *Yes* | 0.8 | - ØE | - ØE | - ØE | - ØE | / | / | A | -3 | -0.00 | neg. | 8 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | -3 | -0.00 | neg. | 15 | 0.00 | neg. | / | / | / |
| 1420540 | Strawberries | VP | a+ | *Yes* | 2.8 | - ME | - LE | + MB | + MC | pos. | *L. monocytogenes* | P | 9118 | 2.26 | pos. | / | / | pos. | + HB | + MB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8491 | 2.11 | pos. | / | / | pos. | pos. | P | PA |
| 1420541 | Fine beans (frozen) | VP | a+ | *Yes* | 2.8 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 8519 | 2.11 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8739 | 2.17 | pos. | / | / | pos. | pos. | P | PA |

## Environmental samples

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | Comparison |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | | | | | | | | | | | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | Final result | |
| 1420548 | Process water fish plant 1 | ES | a+ | *Yes* | 1.8 | + LA | + LA | + MA | + MA | pos. | *L. monocytogenes* | P | 8970 | 2.22 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8970 | 2.22 | pos. | / | / | pos. | pos. | P | PA |
| 1420549 | Process water fish plant 2 | ES | a+ | *Yes* | 1.8 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 9430 | 2.34 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9430 | 2.34 | pos. | / | / | pos. | pos. | P | PA |
| 1420550 | Process water vegetable processing area | ES | a+ | *Yes* | 2.4 | + LB | + LC | + HB | + HC | pos. | *L. monocytogenes* | P | 9734 | 2.41 | pos. | / | / | pos. | + HB | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9734 | 2.41 | pos. | / | / | pos. | pos. | P | PA |
| 1420551 | Process water dairy plant | ES | a+ | *Yes* | 2.4 | + LA | + LB | + HA | + MB | pos. | *L. monocytogenes* | P | 9385 | 2.33 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9385 | 2.33 | pos. | / | / | pos. | pos. | P | PA |
| 1420552 | Process water egg processing plant | ES | a+ | *Yes* | 2.4 | + LA | + LA | + MA | + HA | pos. | *L. monocytogenes* | P | 8459 | 2.10 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8459 | 2.10 | pos. | / | / | pos. | pos. | P | PA |
| 1420580 | Residue fish plant | ES | c- | *No* | / | - ØE | - ØE | - LE | - ØE | / | / | A | -1 | -0.00 | neg. | 11 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420581 | Residue vegetable processing area | ES | c- | *No* | / | - LE | - ØE | - ME | - ME | / | / | A | -2 | -0.00 | neg. | 9 | 0.00 | neg. | - ME | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

## Composite foods

| Code | Matrix | Category | Type | AC | CFU/25g | Reference method: EN ISO 11290-1:2017 (■) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Comparison | VIDAS LDUO D+3 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1/2 Fraser | | Fraser | | Confirmation | | | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | | | VIDAS LDUO | | | | | | | | | |
| | | | | | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | Final result | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | Final result | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | Conf. | Final result | |
| 1370078 | Gambas and scallop marinade with lemon | CF | a- | *Yes* | 1.0 | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 15 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1370081 | Sweetbread bouchée | CF | b+ | *Yes* | 0.2 | - ØE | - ØE | - ØE | - ØE | / | / | A | 8925 | 2.15 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 9864 | 2.38 | pos. | / | / | pos. | pos. | P | PD |
| 1370082 | Goat cheese soufflé | CF | b- | *Yes* | 1.2 | - ØE | - ØE | - ØE | - ØE | / | / | A | 1 | 0.00 | neg. | 55 | 0.01 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1370085 | Vegetables lasagna with pesto | CF | b+ | *No* | / | + LB | + LB | + HB | + HB | pos. | *L. monocytogenes* | P | 10280 | 2.61 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 13288 | 3.21 | pos. | / | / | pos. | pos. | P | PA |
| 1370086 | Rustic white pudding | CF | b+ | *No* | / | + LD (4) | - LE | + MA | + HA | pos. | *L. monocytogenes* | P | 8949 | 2.16 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 10126 | 2.45 | pos. | / | / | pos. | pos. | P | PA |
| 1370087 | Sweetbread bouchée | CF | b- | *No* | / | - LE | - LE | - ØE | - ØE | / | / | A | 1 | 0.00 | neg. | 13 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1370088 | Goat cheese soufflé | CF | b- | *No* | / | - LE | - LE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 13 | 0.00 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372303 | Mixed vegetables with mayonnaise | CF | a+ | *Yes* | 1.8 | - LE | - LE | - LE | - LE | / | / | A | 9813 | 2.37 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 9760 | 2.36 | pos. | / | / | pos. | pos. | P | PD |
| 1372304 | Chorizo slices | CF | a- | *Yes* | 2.4 | - LE | - LE | - ØE | - ME | / | / | A | 0 | 0.00 | neg. | 35 | 0.01 | neg. | - LE | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372305 | Coleslaw salad | CF | a+ | *Yes* | 3.8 | + LB | + LB | + HA | + HA | pos. | *L. monocytogenes* | P | -1 | -0.00 | neg. | 13 | 0.00 | neg. | - ME | - ME | / | / | / | A | ND | 0 | 0.00 | neg. | 14 | 0.00 | neg. | neg. | A | ND |
| 1372307 | Cooked turkey aiguillettes | CF | b+ | *Yes* | 0.8 | - LE | - LE | - ØE | - ØE | / | / | A | 1583 | 0.38 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 997 | 0.24 | pos. | / | / | pos. | pos. | P | PD |
| 1372309 | Mixed vegetables with mayonnaise | CF | a- | *No* | / | - LE | - LE | - LE | - LE | / | / | A | 0 | 0.00 | neg. | 13 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372311 | Coleslaw salad | CF | a- | *No* | / | - LE | - LE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 13 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1372313 | Cooked turkey aiguillettes | CF | b- | *No* | / | - ØE | - ØE | - LE | - ØE | / | / | A | 0 | 0.00 | neg. | 16 | 0.01 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1398355 | Chocolate fondant | CF | c- | *(Yes)* | 1.8 | + LD (2) | - LE | + MB | + HD | neg. | *L. ivanovii* | A | 0 | 0.00 | neg. | 12758 | 4.65 | pos. | + MA | - ME | *L. ivanovii* | + | *L. ivanovii* | A | NA | 1 | 0.00 | neg. | 13750 | 4.60 | pos. | pos. | A | NA |
| 1398356 | Ricotta - spinach ravioli | CF | b- | *(Yes)* | 1.4 | + LC | + LC | + HA | + HC | neg. | *L. welshimeri* | A | 0 | 0.00 | neg. | 10857 | 3.96 | pos. | + MA | + HB | *L. welshimeri* | + | *L. welshimeri* | A | NA | 1 | 0.00 | neg. | 12035 | 4.03 | pos. | pos. | A | NA |
| 1398357 | Custard | CF | c- | *(Yes)* | 1.8 | + LA | + LA | + HA | + HA | neg. | *L. ivanovii* | A | -2 | -0.00 | neg. | 11 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | NA | -1 | -0.00 | neg. | 14 | 0.00 | neg. | neg. | A | NA |
| 1398358 | Cheese pie | CF | b- | *(Yes)* | 1.4 | + LA | + LC | + HA | + HB | neg. | *L. welshimeri* | A | 1 | 0.00 | neg. | 9263 | 3.38 | pos. | + HB | + HB | *L. welshimeri* | + | *L. welshimeri* | A | NA | 0 | 0.00 | neg. | 9608 | 3.21 | pos. | pos. | A | NA |
| 1398359 | Tortilla with onions | CF | c- | *(Yes)* | 1.4 | + LB | + LC | + HA | + HB | neg. | *L. welshimeri* | A | 3 | 0.00 | neg. | 9423 | 3.44 | pos. | + HA | + HB | *L. welshimeri* | + | *L. welshimeri* | A | NA | 1 | 0.00 | neg. | 9813 | 3.28 | pos. | pos. | A | NA |
| 1398362 | Pork nems | CF | b+ | *Yes* | 0.6 | + LB | - LE | + HA | + HC | pos. | *L. monocytogenes* | P | 0 | 0.00 | neg. | 17 | 0.00 | neg. | - LE | - ME | / | / | / | A | ND | 3 | 0.00 | neg. | 22 | 0.00 | neg. | neg. | A | ND |
| 1398368 | Chocolate and coffee "religieuse" pastry | CF | c- | *Yes* | 1.8 | + LB | - LE | - ME | - ME | neg. | / | A | 4 | 0.00 | neg. | 223 | 0.08 | neg. | - MB | - ME | *L. ivanovii* | + | *L. ivanovii* | A (FN) | NA | 4 | 0.00 | neg. | 211 | 0.07 | pos. | pos. | A (FN) | NA |
| 1398369 | Grilled chicken and mayonnaise sandwich | CF | a+ | *Yes* | 0.6 | + LB | + MC | + HA | + HB | pos. | *L. monocytogenes* | P | 8811 | 2.36 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9183 | 2.28 | pos. | / | / | pos. | pos. | P | PA |
| 1398370 | Chicken cheddar hamburger with barbecue sauce | CF | b+ | *Yes* | 0.6 | + MA | + LB | + HA | + HC | pos. | *L. monocytogenes* | P | 8760 | 2.35 | pos. | / | / | pos. | + HA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9427 | 2.34 | pos. | / | / | pos. | pos. | P | PA |
| 1409264 | Cocktail bites bacon/cheese | CF | a+ | *Yes* | 2.8 | + MB | + LC | + MA | + MB | pos. | *L. monocytogenes* | P | 8952 | 2.33 | pos. | / | / | pos. | + MA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9372 | 2.44 | pos. | / | / | pos. | pos. | P | PA |
| 1409265 | Sandwich ham chedddar salad | CF | a- | *(Yes)* | 2.4 | + LA | + LE | + MA | + ME | neg. | *L. welshimeri* | A | -2 | -0.00 | neg. | 26 | 0.00 | neg. | - LE | - ME | / | / | / | A | NA | -2 | -0.00 | neg. | 19 | 0.00 | neg. | / | / | / |
| 1409266 | Cheese bites with spices and herbs | CF | a+ | *Yes* | 1.0 | + MA | + MB | + MA | + HB | pos. | *L. monocytogenes* | P | 9165 | 2.39 | pos. | / | / | pos. | + MA | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9566 | 2.49 | pos. | / | / | pos. | pos. | P | PA |
| 1409267 | Wrap bacon, yoghurt sauce, egg, marinated tomatoes | CF | a- | *(Yes)* | 2.4 | + LA | + LA | + MA | + MA | neg. | *L. innocua* | A | -1 | -0.00 | neg. | 11880 | 3.97 | pos. | + MC | + HC | *L. innocua* | + | *L. innocua* | A | NA | -1 | -0.00 | neg. | 12209 | 4.08 | pos. | pos. | A | NA |
| 1409268 | Sandwich beef, cheese sauce and cheese | CF | b+ | *Yes* | 2.8 | + MC | + MC | + MC | + MC | pos. | *L. monocytogenes* | P | 9057 | 2.36 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 9460 | 2.47 | pos. | / | / | pos. | pos. | P | PA |
| 1409269 | Rillauds (ready-to-eat cooked pork bites) | CF | a+ | *Yes* | 2.8 | + MA | + ME | + MA | + MB | pos. | *L. monocytogenes* | P | 11838 | 3.09 | pos. | / | / | pos. | + MA | + MA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 12598 | 3.29 | pos. | / | / | pos. | pos. | P | PA |
| 1409270 | Fusili carbonara | CF | b+ | *Yes* | 1.0 | + MA | + HA | + MA | + MA | pos. | *L. monocytogenes* | P | 10936 | 2.85 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* *L. ivanovii* | + | *L. monocytogenes* *L. ivanovii* | P | PA | 10777 | 2.81 | pos. | / | / | pos. | pos. | P | PA |
| 1409271 | Cucumber with cottage cheese and chives | CF | a+ | *Yes* | 0.8 | + MC | + MA | + MA | + MB | neg. | *L. innocua* | A | 10933 | 2.85 | pos. | / | / | pos. | + MA | + MC | *L. monocytogenes* *L. innocua* | + | *L. monocytogenes* *L. innocua* | P | PD | 8873 | 2.31 | pos. | / | / | pos. | pos. | P | PD |
| 1409274 | Beef muzzle à la lyonnaise | CF | a- | *(Yes)* | 2.0 | + LA | + LA | + MA | + MA | neg. | *L. welshimeri* | A | -1 | -0.00 | neg. | 9152 | 3.05 | pos. | + MA | + HA | *L. welshimeri* | + | *L. welshimeri* | A | NA | -2 | -0.00 | neg. | 9293 | 3.10 | pos. | pos. | A | NA |
| 1409275 | Saveloy salad with vinaigrette | CF | a+ | *Yes* | 2.0 | + LA | + LB | + MA | + MB | neg. | *L. welshimeri* | A | 8449 | 2.20 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PD | 8385 | 2.18 | pos. | / | / | pos. | pos. | P | PD |
| 1420542 | Salad bulgur, quinoa, cranberries | CF | a+ | *Yes* | 1.2 | + LB | + LA | + MB | + HA | pos. | *L. monocytogenes* | P | 8564 | 2.12 | pos. | / | / | pos. | + HB | + HB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8528 | 2.11 | pos. | / | / | pos. | pos. | P | PA |
| 1420543 | Liquid pasteurized whole eggs | CF | c+ | *Yes* | 2.2 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 11029 | 2.74 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 10940 | 2.71 | pos. | / | / | pos. | pos. | P | PA |
| 1420544 | Béchamel sauce | CF | c+ | *Yes* | 2.2 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 8798 | 2.18 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8394 | 2.08 | pos. | / | / | pos. | pos. | P | PA |
| 1420545 | Liquid pasteurized egg whites | CF | c+ | *Yes* | 2.2 | + LA | + LA | + HA | + HA | pos. | *L. monocytogenes* | P | 8564 | 2.12 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8460 | 2.10 | pos. | / | / | pos. | pos. | P | PA |
| 1420546 | Praliné-flavoured cream pastry | CF | c+ | *Yes* | 2.4 | + LA | + LA | + MA | + MB | pos. | *L. monocytogenes* | P | 8968 | 2.22 | pos. | / | / | pos. | + MB | + MB | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8709 | 2.16 | pos. | / | / | pos. | pos. | P | PA |
| 1420547 | Fraisier (strawberry-flavoured cream pastry) | CF | c+ | *Yes* | 2.4 | + LA | + LC | + HA | + HB | pos. | *L. monocytogenes* | P | 9432 | 2.34 | pos. | / | / | pos. | + HA | + HA | *L. monocytogenes* | + | *L. monocytogenes* | P | PA | 8768 | 2.17 | pos. | / | / | pos. | pos. | P | PA |
| 1420560 | Marinated cooked onions ready-to-eat | CF | a- | *No* | / | - LE | - ØE | - LE | - ØE | / | / | A | -1 | -0.00 | neg. | 11 | 0.00 | neg. | - LE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420561 | Tomatoes baked in olive oil ready-to-eat | CF | a- | *No* | / | - ØE | - ØE | - LE | - LE | / | / | A | -1 | -0.00 | neg. | 9 | 0.00 | neg. | - ØE | - LE | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |
| 1420564 | Salad tuna, vegetables, egg, rice, vinaigrette | CF | a- | *No* | / | - ØE | - LE | - LE | - ME | / | / | A | -2 | -0.00 | neg. | 10 | 0.00 | neg. | - ME | - ME | / | / | / | A | NA | / | / | / | / | / | / | / | / | / |

# APPENDIX D4

# EXTENSION STUDY

# SENSITIVITY RAW RESULTS

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | Identification | Final result | Alternative method VIDAS *Listeria LDUO* 22-26h | | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 22-26h - 4°C | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | | | DLMO | | | DLIS | | | Alternative method confirmation | | | Confirmation according ISO 11290-1 | Final result | | DLMO | | | DLIS | | | Confirmation | | | Final result | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification w/o purification | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| | a+ | 1977572 | Raw milk cow cheese (Morbier) | / | nc | / | / | BM halo | BM halo | EM | EM | AL halo | AL halo | EM | EM | *L.monocytogenes* | P | 0 | 0.00 | NEGATIF | 0 | 0.00 | NEGATIF | EM | Ø | / | / | A | ND | 2 | 0.00 | NEGATIF | 26 | 0.00 | NEGATIF | EM | Ø | / | A | ND |
| | a+ | 1977573 | Raw milk cow cheese (La ronde) | / | nc | / | / | AM halo | AM halo | EM | EM | AM halo | BM halo | EM | EM | *L.monocytogenes* | P | 9508 | 2,39 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 1009 | 0.25 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | a- | 1977818 | Raw milk cow cheese (Camembert) | L. innocua QHW317 | ac | Seeding | 2.6 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 0 | 0.00 | NEGATIF | 26 | 0.00 | NEGATIF | Ø | Ø | / | / | A | NA | 0 | 0,00 | NEGATIF | 39 | 0,01 | NEGATIF | Ø | Ø | / | A | NA |
| | a+ | 1977819 | Raw milk cow cheese (Comté) | L. innocua QHW317 | ac | Seeding | 2.6 | AL sans halo | AL sans halo | BL | BL | AM sans halo | AM sans halo | BL | BL | *L.innocua* | P | 20 | 0.00 | NEGATIF | 8797 | 3.32 | POSITIF | AM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | 0 | 0,00 | NEGATIF | 9429 | 3,56 | POSITIF | BM | AM sans halo | *L. innocua* | P | PA |
| | a- | 1977820 | Raw milk goat cheese (Ste Maure de Tourraine) | L. innocua GLE603 | ac | Seeding | 0.8 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 108 | 0.04 | NEGATIF | Ø | Ø | / | / | A | NA | 2 | 0,00 | NEGATIF | 144 | 0,05 | NEGATIF | Ø | Ø | / | A | NA |
| | a+ | 1977821 | Raw milk cow cheese (Tomme de Savoie) | L. innocua GLE603 | ac | Seeding | 0.8 | AL sans halo | AL sans halo | BL | BL | AM sans halo | AM sans halo | BM | BM | *L.innocua* | P | 2 | 0.00 | NEGATIF | 10145 | 3.83 | POSITIF | BM | BM sans halo | *L.innocua* | *L.innocua* | P | PA | 12 | 0,00 | NEGATIF | 6651 | 2,51 | POSITIF | BM | AM sans halo | *L. innocua* | P | PA |
| | a+ | 1977822 | Raw milk cow cheese (Maroilles) | / | nc | / | / | AM halo | AM halo | BM | BM | AM halo | AM halo | BL | BL | *L.monocytogenes* | P | 9807 | 2.48 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 10365 | 2,62 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977823 | Raw milk cow cheese (Tomme) | *L. mono* BMU793 | ac | Seeding | 2,0 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8537 | 2.16 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | 8586 | 2,17 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PD |
| | a+ | 1977824 | Raw milk cow cheese (Abondancee) | *L. mono* BMU793 | ac | Seeding | 2,0 | DL halo | DL halo | DL | DL | AL halo | AL halo | AL | AL | *L.monocytogenes* | P | 8189 | 2.07 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 8757 | 2,22 | POSITIF | / | / | POSITIF | BL | AL halo | *L. monocytogenes* | P | PA |
| | a+ | 1977825 | Raw milk cow cheese (Brie de Meaux) | *L. mono* BMU793 | ac | Seeding | 2,0 | AL halo | AL halo | DL | DL | AL halo | AL halo | AL | AL | *L.monocytogenes* | P | 8884 | 2.25 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 7852 | 1,99 | POSITIF | / | / | POSITIF | BL | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977827 | Raw milk goat cheese (Chabichou) | *L. mono* BLV059 | ac | Seeding | 2,2 | DL halo | DL halo | EL | EL | CL halo | CL halo | EL | EL | *L.monocytogenes* | P | 8807 | 2.23 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 10745 | 2,72 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977828 | Raw milk sheep cheese (Roquefort) | *L. mono* BLV059 | ac | Seeding | 2,2 | DL halo | DL halo | EL | EL | AL halo | AL halo | AL | AL | *L.monocytogenes* | P | 8267 | 2.09 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 8402 | 2,13 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 2034902 | Raw milk cow cheese (Bethmale) | *L.ivanovii GJP629* | ac | Seeding | 1.2 | EL | DL | EM | EM | AM | CM | CM | CM | *L. ivanovii* | P | 9 | 0,00 | NEGATIF | 5524 | 2,29 | POSITIF | CM | AM halo | *L. ivanovii* | *L. ivanovii* | P | PA | 9 | 0,00 | NEGATIF | 5128 | 2,27 | POSITIF | CM | AM halo | *L. ivanovii* | P | PA |
| | a+ | 2034903 | Raw milk cow cheese (Beaufort) | *L.ivanovii GJP629* | ac | Seeding | 1.2 | EL | CL | EM | EM | AM | AM | BM | BM | *L. ivanovii* | P | 10 | 0.00 | NEGATIF | 8764 | 3.31 | POSITIF | BM | AM halo | *L. ivanovii* | *L. ivanovii* | P | PA | 10 | 0.00 | NEGATIF | 8825 | 3.38 | POSITIF | BM | AM halo | *L. ivanovii* | P | PA |
| | a- | 1977520 | Raw milk goat cheese | / | / | / | / | Ø | EL | EM | EM | EL | EL | EL | EL | / | A | 625 (11/42/2) | 0.16 (0.00/0.01/0.00) | POSITIF (-/-/-) | / (27/61/20) | / (0.00/0.002/0.00) | POSITIF (-/-/-) | EL | EM* | *: colonies bleues. BG+. MALDITOF: *B. cereus* | After purification: *B. cereus* | A (FP) | NA (PP) | 22 | 0.00 | NEGATIF | 31 | 0.00 | NEGATIF | EL | EM | / | A | NA |
| | a- | 1977521 | Raw milk cow cheese (Comté) | / | / | / | / | EM | EM | EM | EM | EM | EM | EM | EM | / | A | 1 | 0.00 | NEGATIF | 20 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977522 | Raw milk cow cheese (St Nectaire) | / | / | / | / | Ø | EM | EM | EM | EL | EL | EM | EM | / | A | 10 | 0.00 | NEGATIF | 33 | 0.01 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977523 | Raw milk cow cheese (Tomme de Savoie) | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 9 | 0.00 | NEGATIF | 24 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977530 | Raw milk cow cheese (Reblochon de Savoie) | / | / | / | / | EL | EL | EM | EM | Ø | EL | EM | EM | / | A | 5 | 0.00 | NEGATIF | 26 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977531 | Raw milk cow cheese (Camembert AOP) | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | 24 | 0.00 | NEGATIF | 48 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977532 | Raw milk cow cheese (Abondance) | / | / | / | / | Ø | Ø | EM | EM | Ø | EM | EM | EM | / | A | -1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977533 | Raw milk sheep cheese (Roquefort) | / | / | / | / | Ø | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0.00 | NEGATIF | 19 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977534 | Raw milk goat cheese (Ste Maure) | / | / | / | / | Ø | EL | EL | EL | Ø | EL | EM | EM | / | A | 107 | 0.00 | NEGATIF | 124 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977535 | Raw milk cow cheese (Pirudel) | / | / | / | / | EL | EM | EM | EM | Ø | EM | EM | EM | / | A | 6 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977574 | Raw milk cow cheese (Tomme) | / | / | / | / | Ø | Ø | EM | EM | Ø | EL | EM | EM | / | A | 16 | 0.00 | NEGATIF | 47 | 0.01 | NEGATIF | EM | Ø | / | / | A | NA | 24 | 0.00 | NEGATIF | 56 | 0.001 | NEGATIF | EM | Ø | / | A | NA |
| | a- | 1977782 | White cheese made from raw milk batch 1 | / | nc | / | / | EL | EL | EM | EM | Ø | EM | EM | EM | / | A | 48 | 0,01 | NEGATIF | 53 | 0,01 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977783 | White cheese made from raw milk batch 2 | / | nc | / | / | EL | EL | EM | EM | Ø | EL | EL | EL | / | A | 8 | 0,00 | NEGATIF | 26 | 0,00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977784 | Raw milk cow cheese (Reblochon) | / | nc | / | / | EL | EL | EM | EM | Ø | EL | EM | EM | / | A | 4 | 0,00 | NEGATIF | 24 | 0,00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a+ | 1977785 | Raw milk cow cheese (St Nectaire) batch 1 | / | nc | / | / | DM halo | DM halo | EM | EM | AM sans halo | AM sans halo | EM | EM | *L.innocua* | P | 5 | 0,00 | NEGATIF | 135 | 0,05 | NEGATIF | EM | EM | / | / | A | ND | 24 | 0,00 | NEGATIF | 72 | 0,02 | NEGATIF | EM | EM | / | A | ND |
| | a+ | 1977786 | Raw milk cow cheese (St Nectaire) batch 2 | / | nc | / | / | BL sans halo | BL sans halo | EM | EM | AM sans halo | AM sans halo | EM | EM | *L.innocua* | P | 9 | 0,00 | NEGATIF | 3486 | 1,29 | POSITIF | EM | AL sans halo | *L.innocua* | *L.innocua* | P | PA | 52 | 0,01 | NEGATIF | 644 | 0,23 | POSITIF | EM | AL sans halo | L.innocua | P | PA |
| | a- | 1977787 | Raw milk cow cheese (St Nectaire) batch 3 | / | nc | / | / | EL | EL | EM | EM | Ø | EL | EM | EM | / | A | 11 | 0,00 | NEGATIF | 28 | 0,01 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b+ | 1977547 | Pasteurized cow cheese (Brie) | *L. mono* FKZ497 *L.welshimeri* GLX736 | ac | Seeding | 1,6/2,2 | AL sans halo+halo | AL sans halo+halo | BM | BM | AM sans halo+halo | AM sans halo+halo | AM | AM | *L.monocytogenes* *L.welshimeri* | P | 1123 | 0.28 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 228 | 0.05 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977548 | Pasteurized sheep cheese (Bleu) | *L.mono* FMJ325 | ac | Seeding | 1.8 | EL | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | 9958 | 2.55 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 9298 | 2.38 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977549 | Pasteurized cow cheese (Merzer) | *L.mono* FMJ325 | ac | Seeding | 1.8 | Ø | Ø | EM | DM | Ø | BL | EM | EM | *L.monocytogenes* | P | 672 | 0.17 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 627 | 0.16 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977550 | Pasteurized sheep cheese | *L.mono* FMJ325 | ac | Seeding | 1.8 | Ø | AL halo | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 4370 | 1.12 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 1411 | 0.36 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977551 | Pasteurized cow cheese | *L.mono* FMJ325 | ac | Seeding | 1.8 | EM | EM | EM | EM | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | -1 | -0.00 | NEGATIF | 18 | 0.18 | NEGATIF | EM | Ø | / | / | A | ND | 1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | EM | Ø | / | A | ND |
| | b+ | 1978392 | Pasteurized cow cheese (Emmental) | L.mono CLM641 | ac | Seeding | 2.6 | BM halo | BM halo | BM | BM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 8739 | 2,21 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 8777 | 2,22 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1978393 | Pasteurized cow cheese (Vieux Pané) | L.mono CLM641 | ac | Seeding | 2.6 | AL halo | AL halo | CL | CL | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 11300 | 2,86 | POSITIF | / | / | POSITIF | BM | AL halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 9517 | 2,41 | POSITIF | / | / | POSITIF | BM | AL halo | *L.monocytogenes* | P | PA |
| | b- | 1978394 | Pasteurized cow cheese (Chamois d'or) | L.mono FLD375 | ac | Seeding | 2.6 | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 12 | 0,00 | NEGATIF | 19 | 0,00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1978395 | Pasteurized cow cheese (Tomme) | L.mono FLD375 | ac | Seeding | 2.6 | EM | EM | EM | EM | Ø | EL | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 11 | 0,00 | NEGATIF | EL | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977512 | Pasteurized cow cheese (Merzer) | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | -1 | -0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977513 | Pasteurized cow cheese (Munster) | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | 19 | 0.00 | NEGATIF | 37 | 0.01 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977514 | Pasteurized cow cheese (Le Bleu) | / | / | / | / | EM | EM | EM | EM | Ø | Ø | EM | EM | / | A | 3 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977515 | Pasteurized cow cheese (Brie) | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 995 (327/33/148) | 0,25 (0.08/0.00/0.03) | POSITIF (+/-/-) | / (//52/159) | / (//0.01/0.05) | POSITIF (+/-/-) | EM* | EM** | *: colonies Esculine +. MALDITOF: *Enterococcus hirae* **: colonies bleues non caract.. MALDITOF: *Staphylococcus lentus* Transfert Fraser puis iso ALOA: EM | After purification: *Enterococcus hirae* + *Staphylococcus lentus* | A (FP) | NA (PP) | 595 | 0.15 | POSITIF | / | / | POSITIF | EM | Ø | / | A (FP) | PD FP alt |
| | b- | 1977516 | Pasteurized sheep cheese (Bleu) | / | / | / | / | EL | EL | EM | EM | Ø | EM | EM | EM | / | A | 2 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977517 | Pasteurized sheep cheese | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 1 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977518 | Pasteurized goat chees | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 0 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977519 | Pasteurized goat cheese (Ossau Iraty) | / | / | / | / | EM | EM | EM | EM | EL | EL | EM | EM | / | A | 2 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977536 | Pasteurized cow cheese | / | / | / | / | EM | EM | EM | EM | EM | EM | EM | EM | / | A | -2 | -0.00 | NEGATIF | 20 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977537 | Pasteurized cow cheese with pepper | / | / | / | / | Ø | EM | EM | EM | EL | EL | EM | EM | / | A | 6 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b+ | 1977543 | Pasteurized goat cheese | *L.innocua* QBB281 | ac | Seeding | 2,4 | Ø | AL sans halo | EL | EM | Ø | Ø | EM | EM | *L.innocua* | P | 11 | 0.00 | NEGATIF | 9456 | 3.44 | POSITIF | CM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | 53 | 0.01 | NEGATIF | 9102 | 3.32 | POSITIF | DM | BM sans halo | *L.innocua* | P | PA |
| | b+ | 1977544 | Pasteurized goat cheese (Ossau Iraty) | *L.innocua* QBB281 | ac | Seeding | 2.4 | AL sans halo | AL sans halo | EL | EM | AM sans halo | AM sans halo | BM | BM | *L.innocua* | P | -1 | -0.00 | NEGATIF | 3473 | 1.26 | POSITIF | CM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | 7 | 0.00 | NEGATIF | 9372 | 3.41 | POSITIF | EM | BM sans halo | *L.innocua* | P | PA |
| | b+ | 1977546 | Pasteurized sheep cheese | *L. mono* FKZ497 *L.welshimeri* GLX736 | ac | Seeding | 1,6/2,2 | CL sans halo | CL sans halo | CM | EM | AM sans halo | AM sans halo | CM | CM | *L.welshimeri* | P | 3607 | 0.93 | POSITIF | / | / | POSITIF | CM | AM halo+san | *L.monocytogenes* *L.welshimeri* | *L.monocytogenes* *L.welshimeri* | P | PA | 956 | 0.24 | POSITIF | / | / | POSITIF | EM | AM halo+ | *L.monocytogenes* *L.welshimeri* | P | PA |
| | b+ | 1977552 | Pasteurized cow cheese (Emmental) | *L. ivanovii* GQD028 | ac | Seeding | 2.4 | EL | DL | EM | EM | AM | CM | EM | EM | *L. ivanovii* | P | 0 | 0.00 | NEGATIF | 12300 | 4.48 | POSITIF | EM | AM | *L. ivanovii* | *L. ivanovii* | P | PA | 1 | 0.00 | NEGATIF | 10962 | 3.99 | POSITIF | EM | AM halo | *L. ivanovii* | P | PA |
| | b+ | 1977553 | Pasteurized cow cheese (Camembert) | *L. ivanovii* GQD028 | ac | Seeding | 2.4 | EL | DL | EM | EM | AM | BM | EM | EM | *L. ivanovii* | P | 54 | 0.01 | NEGATIF | 2274 | 0.82 | POSITIF | EM | AM | *L. ivanovii* | *L. ivanovii* | P | PA | 55 | 0.01 | NEGATIF | 2159 | 0.78 | POSITIF | EM | AM halo | *L. ivanovii* | P | PA |
| | b- | 1977606 | Pasteurized cow cheese (Emmental) | / | / | / | / | Ø | EL | EL | EL | / | EM | / | EM | / | A | -1 | 0.00 | NEGATIF | 21 | 0,00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977607 | Pasteurized cow cheese (Le Paillé) | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | 11 | 0.00 | NEGATIF | 28 | 0,01 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | c+ | 1977582 | Skimmed milk powder | L.mono JAR249 | ac | Spiking | 4 | EM | EM | EM | EM | Ø | EL | EM | EM | / | A | 686 | 0,17 | POSITIF | / | / | POSITIF | EM | BM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | 241 | 0.1 | POSITIF | / | / | POSITIF | EM | BM halo | *L.monocytogenes* | P | PD |

Extension study

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | Identification | Final result | Alternative method VIDAS *Listeria LDUO* 22-26h | | | | | | | | | | Final result | Agreement | Alternative method VIDAS *Listeria LDUO* 22-26h - 4°C | | | | | | | | | | Final result | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | | | DLMO | | | DLIS | | | Alternative method confirmation | | | Confirmation according ISO 11290-1 | | | | DLMO | | | DLIS | | | Confirmation | | | | | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification w/o purification | | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | | |
| | c+ | 1977584 | Powdered buttermilk | L.mono LAS822 | ac | Spiking | 4.4 | EM | EM | EM | EM | EL | EL | EL | EL | / | A | 6106 | 1,55 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | | 4193 | 1,06 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PD |
| | c+ | 1977585 | Semi-skimmed milk powder | L.mono LAS822 | ac | Spiking | 4.4 | BM halo | BM halo | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 1500 | 0.38 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | | 233 | 0,05 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 1977558 | Goat milk powder | *L. mono* FLD375 | ac | Spiking | 4.6 | EM | EM | EM | EM | BM halo | BM halo | DM | DM | *L.monocytogenes* | P | 6716 | 1.72 | POSITIF | / | / | POSITIF | DM | BM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | | 1816 | 0.46 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 1977559 | Powdered caseinate | *L. mono* FLD375 | ac | Spiking | 4.6 | Ø | AL halo | EL | AL | AM halo | AM halo | DM | DM | *L.monocytogenes* | P | 10400 | 2.66 | POSITIF | / | / | POSITIF | DM | BM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | | 7314 | 1.87 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 1978383 | Skimmed milk powder | *L.mono* GND673 | ac | Spiking | 3.8 | EL | EL | EL | EL | EL | EL | EM | EM | / | A | 3083 | 0.78 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | | 2866 | 0.71 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PD |
| | c+ | 1978386 | Skimmed milk | *L.innocua* QHW317 | ac | Spiking | 1.6 | EL | EL | EL | EL | BM sans halo | BM sans halo | BM | BM | *L.innocua* | P | 0 | 0.00 | NEGATIF | 10204 | 3.78 | POSITIF | BM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | | 0 | 0.00 | NEGATIF | 10170 | 3.69 | POSITIF | EM | AL sans halo | *L.innocua* | P | PA |
| | c+ | 1978387 | Organic skimmed milk powder | L.innocua BVG975 | ac | Spiking | 4.6 | DL | DL | EL | EL | BM sans halo | BM sans halo | BM | BM | *L.innocua* | P | 0 | 0.01 | NEGATIF | 10262 | 3.80 | POSITIF | AM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | | 0 | 0.01 | NEGATIF | 10321 | 3.81 | POSITIF | BM | BM sans halo | *L.innocua* | P | PA |
| | c+ | 1977554 | Powdered whole milk | *L.innocua* GPQ140 | ac | Spiking | 4.0 | EM | EM | DM | EM | BM sans halo | BM sans halo | DM | DM | *L.innocua* | P | -2 | -0.00 | NEGATIF | 11057 | 4.03 | POSITIF | DM | BM sans halo | *L.innocua* | *L.innocua* | P | PA | | -2.0 | -0.00 | NEGATIF | 10830 | 3.95 | POSITIF | BM | BM sans halo | *L.innocua* | P | PA |
| | c+ | 1977555 | Powdered whey | *L. mono* HBP652<br>*L.innocua* GPQ140 | ac | Spiking | 4,8/4,0 | Ø | EL | EL | EL | AM sans halo | AM sans halo | DM | DM | *L.innocua* | P | 671 | 0.17 | POSITIF | / | / | POSITIF | CM | halo+ sans halo | *L.innocua*<br>*L.monocytogenes* | *L.innocua*<br>*L.monocytogenes* | P | PA | | 643 | 0.16 | POSITIF | / | / | POSITIF | AM | halo+ sans halo | *L.innocua*<br>*L.monocytogenes* | P | PA |
| | c- | 1977577 | Whey permeate | *L.mono* GND673 | ac | Spiking | 4.4 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -2 | -0.00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | | 0 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | / | / |
| | c- | 1977578 | Organic skimmed milk powder | *L.mono* GND673 | ac | Spiking | 4.4 | EL | EL | EL | EL | Ø | EL | EL | EL | / | A | 1 | 0.00 | NEGATIF | 50 | 0.01 | NEGATIF | EM | EL | / | / | A | NA | | 1 | 0.00 | NEGATIF | 52 | 0.01 | NEGATIF | EM | EL | / | / | / |
| | c- | 1977579 | Skimmed milk powder LOT1 | *L.welshimeri* GLX736 | ac | Spiking | 3,2 | EL | EL | EM | EM | Ø | EL | EL | EL | / | A | 5 | 0.00 | NEGATIF | 43 | 0.01 | NEGATIF | EM | EM | / | / | A | NA | | 0 | 0.00 | NEGATIF | 260 | 0.09 | NEGATIF | EM | DL sans halo | *L.welshimeri* | A (FN) | NA |
| | c+ | 1977580 | Skimmed milk powder LOT2 | *L.welshimeri* GLX736 | ac | Spiking | 3,2 | DM sans halo | DM sans halo | EM | EM | Ø | EL | EL | EL | *L.welshimeri* | P | -1 | -0.00 | NEGATIF | 10722 | 3.72 | POSITIF | EM | BM sans halo | *L.welshimeri* | *L.welshimeri* | P | PA | | 0 | 0.00 | NEGATIF | 10942 | 3.89 | POSITIF | EM | AM sans halo | *L.welshimeri* | P | PA |
| | c- | 1977583 | Whey permeat | *L.mono* JAR249 | ac | Spiking | 4 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 20 | 0,00 | NEGATIF | EM | EL | / | / | A | NA | | -1 | -0,00 | NEGATIF | 22 | 0,00 | NEGATIF | EM | Ø | / | / | / |
| | c- | 1977732 | Powdered whole milk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 38.00 | 0.01 | NEGATIF | EM | EL | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977733 | Powdered whey | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | 0 | 0,00 | NEGATIF | 19.00 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977734 | Semi-skimmed milk powder batch 1 | / | / | / | / | Ø | EL | EL | EL | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 30.00 | 0.01 | NEGATIF | EM | EM | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977735 | Skimmed milk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 17.00 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977736 | Goat milk powder | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 3 | 0,00 | NEGATIF | 22.00 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977737 | Skimmed milk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 19.00 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977738 | Powdered buttermilk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 1 | 0,00 | NEGATIF | 20.00 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977739 | Whey permeate | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | -1 | -0,00 | NEGATIF | 17.00 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977740 | Organic skimmed milk powder | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | -1 | -0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |
| | c- | 1977741 | Semi-skimmed milk powder batch 2 | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 2 | 0,00 | NEGATIF | 28.00 | 0.01 | NEGATIF | EM | EM | / | / | A | NA | | / | / | / | / | / | / | / | / | / | / | / |

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | Alternative method VIDAS *Listeria LDUO* 26-30h | | | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 26-30h - 4°C | | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | Identification | Final result | DLMO | | | DLS | | | Confirmation | | | Confirmation according ISO 11290-1 | Final result | | DLMO | | | DLS | | | Confirmation | | | Final result | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| Extension study | a+ | 1977560 | Baby milk powder 0-6 months | *L.innocua* GRR943<br>*L.mono* BMU793 | ac | Spiking | 2,8/3 | BM halo + sans | BM halo + sans | DM | DM | AM halo + sans | AM halo + sans | BM | BM | *L.innocua*<br>*L.monocytogenes* | P | 869 | 0,21 | POSITIF | / | / | POSITIF | DM | BM halo + sans | *L.monocytogenes*<br>*L. innocua* | *L.monocytogenes*<br>*L. innocua* | P | PA | 277 | 0.06 | POSITIF | / | / | POSITIF | DM | BM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA |
| | a+ | 1977561 | Baby milk powder 6-12 months LOT 1 | *L.innocua* GRR943<br>*L.mono* BMU793 | ac | Spiking | 2,8/3 | BM halo + sans | BM halo + sans | DM | DM | AM halo + sans | AM halo + sans | BM | BM | *L.innocua*<br>*L.monocytogenes* | P | 104 | 0,02 | NEGATIF | 9205 | 3.27 | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | *L.monocytogenes*<br>*L. innocua* | P | PA | 20 | 0 | NEGATIF | 10042 | 3.57 | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA |
| | a+ | 1977562 | Baby milk powder1-3 years LOT 1 | *L.innocua* GRR943<br>*L.mono* BMU793 | ac | Spiking | 2,8/3 | AM halo + sans | BM halo + sans | DM | DM | AM halo + sans | AM halo + sans | DM | DM | *L.innocua*<br>*L.monocytogenes* | P | 8637 | 2,13 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.innocua*<br>*L.monocytogenes* | *L.monocytogenes*<br>*L. innocua* | P | PA | 8522 | 2,12 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.innocua*<br>*L.monocytogenes* | P | PA |
| | a+ | 1977563 | Baby growth milk powder1-3 years | *L.innocua* GLE603<br>*L.mono* BLV059 | ac | Spiking | 3,0/4,0 | BM halo + sans | BM halo + sans | EM | EM | AM halo + sans | AM halo + sans | BM | BM | *L.monocytogenes*<br>*L. innocua* | P | 8438 | 2,12 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8380 | 2.1 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977564 | Baby goat milk powder 1- 3 years | *L.innocua* GLE603<br>*L.mono* BLV059 | ac | Spiking | 3,0/4,0 | BM halo + sans | BM halo + sans | EM | EM | AM halo + sans | AM halo + sans | BM | BM | *L.monocytogenes*<br>*L. innocua* | P | 556 | 0,13 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | *L.monocytogenes*<br>*L. innocua* | P | PA | 1605 | 0.40 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA |
| | a+ | 1977567 | Baby milk powder thickened formula 6-12 months | *L.mono* BVG975 | ac | Spiking | 4.0 | Ø | Ø | EL | EL | Ø | Ø | Ø | Ø | / | A | 8386 | 2,11 | POSITIF | / | / | POSITIF | DM | AM avec halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 8891 | 2.23 | POSITIF | / | / | POSITIF | DM | AM avec halo | *L. monocytogenes* | P | PD |
| | a+ | 1977568 | Junior baby milk powder + 18 months | *L.mono* BVG975 | ac | Spiking | 4.0 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8648 | 2,17 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 8918 | 2.24 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | P | PD |
| | a+ | 1977569 | Baby milk powder 6-12 months LOT 2 | *L.mono* BVG975 | ac | Spiking | 4 | Ø | DL avec halo | EL | EL | AL avec halo | AL avec halo | DL | DL | *L. monocytogenes* | P | 1871 | 0,47 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 604 | 0.15 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | P | PA |
| | a+ | 1977570 | Baby milk powder 1-3 years LOT 1 | *L.innocua* QHW317 | ac | Spiking | 4.6 | AL sans halo | AL sans halo | EM | EM | AM sans halo | AM sans halo | BM | BM | *L. innocua* | P | -1 | -0,00 | NEGATIF | 9363 | 3.33 | POSITIF | BM | AM sans halo | *L. innocua* | *L. innocua* | P | PA | -1 | -0,00 | NEGATIF | 11868 | 4.22 | POSITIF | BM | AM sans halo | *L. innocua* | P | PA |
| | a+ | 1977571 | Baby milk powder 1-3 years LOT 2 | *L.innocua* QHW317 | ac | Spiking | 4.6 | AL sans halo | AL sans halo | EM | DM | AM sans halo | AM sans halo | BM | BM | *L. innocua* | P | -1 | -0,00 | NEGATIF | 9200 | 3.27 | POSITIF | BM | AM sans halo | *L. innocua* | *L. innocua* | P | PA | -3 | -0,01 | NEGATIF | 9924 | 3.53 | POSITIF | BM | AM sans halo | *L. innocua* | P | PA |
| | a- | 1977566 | Baby growth milk powder1-3 years | *L.mono* BVG975 | ac | Spiking | 4 | Ø | Ø | EM | EM | Ø | Ø | EL | EL | / | A | 0 | 0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | 1 | 0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EM | Ø | / | / | / |
| | a- | 1977596 | Baby milk powder 0-6 months | / | / | / | / | Ø | EL | EL | EL | / | EL | / | EM | / | A | -3 | -0,00 | NEGATIF | 30.00 | 0.01 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977597 | Baby milk powder 6-12 months LOT 1 | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | -2 | -0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977598 | Baby milk powder 1-3 years LOT 1 | / | / | / | / | Ø | EL | EL | EL | / | EL | / | EM | / | A | -1 | -0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977599 | Baby growth milk powder 1-3 years | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | 0 | 0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977600 | Baby growth milk powder 1-3 years | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | -3 | -0,00 | NEGATIF | 35.00 | 0.01 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977601 | Baby milk powder 1-3 years LOT 2 | / | / | / | / | Ø | EL | EL | EL | / | EL | / | EL | / | A | 0 | 0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EM | EM | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977602 | Baby milk powder 1-3 years | / | / | / | / | Ø | EL | Ø | EL | / | Ø | / | Ø | / | A | 1 | 0,00 | NEGATIF | 19.00 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977603 | Baby milk powder thickened formula 6-12 months | / | / | / | / | Ø | Ø | Ø | EL | / | Ø | / | EL | / | A | -1 | -0,00 | NEGATIF | 17.00 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977604 | Junior baby milk powder + 18 months | / | / | / | / | Ø | Ø | Ø | Ø | / | Ø | / | Ø | / | A | -1 | -0,00 | NEGATIF | 19.00 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977605 | Baby milk powder 6-12 months LOT 2 | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | -3 | -0,00 | NEGATIF | 18.00 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b+ | 1977589 | Infant milk 1-3 years<br>Lactobacillus reuteri DSM 17938 - 5500000UFC/g | L.mono JAR249 | ac | Spiking | 4.0 | AL halo | AL halo | EL | EL | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 3364 | 0,85 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 571 | 0.14 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977590 | Organic infant milk 6-12 months<br>Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | L.mono PCA920 | ac | Spiking | 4.0 | AL halo | AL halo | EL | EL | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | 1 | 0 | NEGATIF | 21 | 0,00 | NEGATIF | EM | Ø | / | / | A | ND | 1 | 0,00 | NEGATIF | 20 | 0,00 | NEGATIF | EM | Ø | / | A | ND |
| | b+ | 1977591 | Organic infant milk 1-3 years<br>Bifidobactérium lactis - 21000000 UFC/g | L.mono PCA920 | ac | Spiking | 4.0 | EM | EM | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 7615 | 1,93 | POSITIF | / | / | POSITIF | EM | AL halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 210 | 0.05 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977592 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | Ø | EL | EL | EL | Ø | EL | EM | EM | / | A | 11219 | 2,84 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | 5397 | 1.37 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977593 | Infant milk 6-12 months<br>Lactobacillus reuteri DSM 17938 - 6100000UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | AL halo | AL halo | EL | EL | AM halo | AM halo | DM | EM | *L.monocytogenes* | P | 10060 | 2,55 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 11166 | 2.83 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977594 | Infant milk 6-12 months<br>S.thermophilus - 77000000UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | AL halo | AL halo | EL | EL | Ø | Ø | EM | EM | *L.monocytogenes* | P | 7433 | 1,88 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PA | 10543 | 2.67 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977595 | Infant milk 6-12 months thickened formula<br>Bifidobactéries - 1600000 UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | Ø | EL | EM | EM | Ø | Ø | EM | EM | / | A | 6299 | 1,59 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | 1584 | 0.40 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977754 | Infant milk 6-12 months thickened formula<br>Bifidobactérium infantis - 4100000 UFC/g | L.ivanovii GQD028 | ac | Spiking | 4.4 | Ø | AL halo | EL | EL | / | AM halo | / | EM | *L.ivanovii* | P | 2 | 0,00 | NEGATIF | 6932 | 2.56 | POSITIF | EM | AM halo | *L.ivanovii* | *L.ivanovii* | P | PA | -1 | -0,00 | NEGATIF | 5827 | 2,15 | POSITIF | EM | AM halo | *L.ivanovii* | P | PA |
| | b+ | 1977756 | Organic infant milk 6-12 months<br>Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | L.ivanovii GQD028 | ac | Spiking | 4.4 | Ø | AL halo | EL | EL | / | AM halo | / | EM | *L.ivanovii* | P | 1 | 0,00 | NEGATIF | 21 | 0.00 | NEGATIF | EM | Ø | / | / | A | ND | 1 | 0,00 | NEGATIF | 25 | 0,00 | NEGATIF | EM | Ø | / | A | ND |
| | b+ | 1977760 | Infant milk 6-12 months<br>S.thermophilus - 77000000UFC/g | L.mono GND673 | ac | Spiking | 2.6 | EL | EL | EL | EL | / | Ø | / | EL | / | A | 8153 | 2,06 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | 11251 | 2,85 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977761 | Infant milk 6-12 months thickened formula<br>Bifidobactéries - 1600000 UFC/g | L.mono GND673 | ac | Spiking | 2.6 | Ø | Ø | EL | EL | / | Ø | / | EL | / | A | 9400 | 2,38 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | *L.monocytogenes* | P | PD | 9317 | 2,36 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1978396 | Infant milk 6-12 months thickened formula<br>*Bifidobactérium infantis* - 3.4x10$^6$ UFC/g | *L.innocua* GPQ140 | ac | Spiking | 5 | Ø | Ø | Ø | EL | Ø | AM sans halo | Ø | AM | *L.innocua* | P | 1 | 0.00 | NEGATIF | 9615 | 3.56 | POSITIF | BM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | 1 | 0.00 | NEGATIF | 9215 | 3.46 | POSITIF | BM | AM sans halo | *L.innocua* | P | PA |
| | b+ | 1978397 | Infant milk 1-3 years<br>*Lactobacillus reuteri* DSM 17938 - 5.4x10$^6$ | *L.innocua* GPQ140 | ac | Spiking | 5 | Ø | Ø | EM | EM | Ø | AM sans halo | EM | AM | *L.innocua* | P | 0 | 0.00 | NEGATIF | 9150 | 3.39 | POSITIF | AM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | 0 | 0.00 | NEGATIF | 9167 | 3.40 | POSITIF | AM | AM sans halo | *L.innocua* | P | PA |
| | b+ | 1978398 | Infant milk 1-3 years<br>*Lactobacillus reuteri* DSM 17938 - 1.1x10$^7$ | *L.innocua* GPQ140 | ac | Spiking | 5 | Ø | Ø | EM | EM | Ø | AL sans halo | AL | AL | *L.innocua* | P | 2 | 0,00 | NEGATIF | 6932 | 2.56 | POSITIF | AM | AM sans halo | *L.innocua* | *L.innocua* | P | PA | 2 | 0,00 | NEGATIF | 6922 | 2.54 | POSITIF | AM | AM sans halo | *L.innocua* | P | PA |
| | b- | 1977586 | Infant milk 0-6 months thickened formula<br>B.Lactis - 4700000 UFC/g | L.mono JAR249 | ac | Spiking | 4.0 | EL | EL | EM | EM | EL | EL | EM | EM | / | A | -1 | -0,00 | NEGATIF | 47 | 0,01 | NEGATIF | EM | EL | / | / | A | NA | 0 | 0,00 | NEGATIF | 54.00 | 0,02 | NEGATIF | EL | Ø | / | / | / |
| | b- | 1977587 | Infant milk 0-6 months (breastfeeding relay)<br>Lactobacillus reuteri DSM 17938 - 400000UFC/g | L.mono LAS822 | ac | Spiking | 4.4 | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | -2 | -0,00 | NEGATIF | 18 | 0,00 | NEGATIF | EM | Ø | / | / | A | NA | -1 | -0,00 | NEGATIF | 16.00 | 0,00 | NEGATIF | EL | Ø | / | / | / |
| | b- | 1977588 | Infant milk 6-12 months thickened formula<br>Bifidobactérium infantis - 4100000 UFC/g | L.mono LAS822 | ac | Spiking | 4.4 | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | 4 | 0 | NEGATIF | 23 | 0 | NEGATIF | EM | EL | / | / | A | NA | 6 | 0,00 | NEGATIF | 28.00 | 0,01 | NEGATIF | EL | Ø | / | / | / |
| | b- | 1977752 | Infant milk 0-6 months thickened formula<br>B.Lactis - 4700000 UFC/g | L.innocua QB8281 | ac | Spiking | 4.4 | Ø | Ø | Ø | Ø | / | Ø | / | EL | / | A | 0 | 0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977753 | Infant milk 0-6 months (breastfeeding relay)<br>Lactobacillus reuteri DSM 17938 - 400000UFC/g | L.welshimeri GLX736 | ac | Spiking | 2.8 | Ø | Ø | Ø | Ø | / | Ø | / | EL | / | A | 1 | 0,00 | NEGATIF | 22 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977755 | Infant milk 1-3 years<br>Lactobacillus reuteri DSM 17938 - 5500000UFC/g | L.innocua QB8281 | ac | Spiking | 4.4 | EL | EL | EL | EL | / | EL | / | EL | / | A | 3 | 0,00 | NEGATIF | 22 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | 2 | 0,00 | NEGATIF | 19 | 0,00 | NEGATIF | EL | Ø | / | A | NA |
| | b- | 1977757 | Infant milk 0-6 months thickened formula<br>Bifidobactérium lactis - 21000000 UFC/g | L.mono CLM641 | ac | Spiking | 3.0 | BL sans halo | BL sans halo | EL | EL | / | EL | / | EL | / | A | 0 | 0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | -1 | -0,00 | NEGATIF | 17 | 0,00 | NEGATIF | EL | Ø | / | A | NA |
| | b- | 1977758 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | L.mono CLM641 | ac | Spiking | 3.0 | Ø | Ø | Ø | Ø | / | Ø | / | Ø | / | A | 2 | 0,00 | NEGATIF | 21 | 0.00 | NEGATIF | Ø | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977759 | Infant milk 6-12 months<br>Lactobacillus reuteri DSM 17938 - 6100000UFC/g | L.mono CLM641 | ac | Spiking | 3.0 | EL | EL | EL | EL | / | Ø | / | EL | / | A | 0 | 0,00 | NEGATIF | 34 | 0.01 | NEGATIF | EL | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977762 | Infant milk 0-6 months thickened formula<br>B.Lactis - 4700000 UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -1 | -0,00 | NEGATIF | 30 | 0.01 | NEGATIF | Ø | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977763 | Infant milk 0-6 months (breastfeeding relay)<br>Lactobacillus reuteri DSM 17938 - 400000UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 15 | 0.00 | NEGATIF | Ø | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977764 | Infant milk 6-12 months thickened formula<br>Bifidobactérium infantis - 4100000 UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 1 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977765 | Infant milk 1-3 years<br>Lactobacillus reuteri DSM 17938 - 5500000UFC/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 49 | 0.01 | NEGATIF | Ø | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977766 | Organic infant milk 6-12 months<br>Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | EL | EL | / | A | 2 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977767 | Organic infant milk 1-3 years<br>Bifidobactérium lactis - 21000000 UFC/g | / | / | / | / | EL | EL | EM | EM | EL | EL | EL | EL | / | A | 0 | 0.00 | NEGATIF | 15 | 0.00 | NEGATIF | EL | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977768 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 2 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977769 | Infant milk 6-12 months<br>Lactobacillus reuteri DSM 17938 - 6100000UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | Ø | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | | Alternative method VIDAS *Listeria LDUO* 26-30h | | | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 26-30h - 4°C | | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | Identification | Final result | DLMO | | | DLIS | | | Confirmation | | | Confirmation according ISO 11290-1 | Final result | | DLMO | | | DLIS | | | Confirmation | | | Final result | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| | b- | 1977770 | Infant milk 6-12 months S.thermophilus - 550000UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | Ø | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | b- | 1977771 | Organic infant milk 1-3 years Lactobacillus fermentum hereditum CECT5716 - 5800000 UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c+ | 1977742 | Infant cereal quinoa banana plum B. lactis 1.1 $10^6$ CFU/g | L.mono RCJ280 | ac | Spiking | 4.0 | AL halo | AL halo | BM | BM | AM halo | AM halo | BM | BM | *L. monocytogenes* | P | 8941 | 2.26 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8370 | 2,12 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977743 | Infant cereals with honey B. lactis 3.4 $10^6$ CFU/g | L.mono RCJ280 | ac | Spiking | 4.0 | AL halo | AL halo | BM | BM | AM halo | AM halo | BM | BM | *L. monocytogenes* | P | 9040 | 2.29 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8407 | 2,13 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977744 | Biscuit flavored infant cereals B. lactis 7 $10^6$ CFU/g | L.mono RCJ280 | ac | Spiking | 4.0 | AL halo | AL halo | EL | EL | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 10818 | 2.74 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8804 | 2,23 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977745 | Infant cereals with 5 cereals B. lactis 5 $10^6$ CFU/g | L.mono RCJ280 | ac | Spiking | 4.0 | AL halo | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 9033 | 2.29 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8325 | 2,11 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977746 | Whole oat and wheat infant cereals B. lactis 6.8 $10^6$ CFU/g | L.mono BNX114 | ac | Spiking | 3.4 | AL halo | AL halo | EL | EL | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 1 | 0.00 | NEGATIF | 24 | 0,00 | NEGATIF | EL | Ø | / | / | A | ND | 1 | 0,00 | NEGATIF | 30 | 0,01 | NEGATIF | EL | Ø | / | A | ND |
| | c+ | 1977747 | Infant multi-cereals with exotic fruits | L.mono BNX114 | ac | Spiking | 3.4 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 9017 | 2.28 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 8258 | 2,09 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977748 | Brioche flavored Infant cereals | L.mono RCJ280 | ac | Spiking | 4.0 | AL halo | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 8291 | 2.10 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8971 | 2,27 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c- | 1977749 | Infant vanilla cereals | L.mono LAS822 | ac | Spiking | 2.8 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 16 | 0,00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | A | NA |
| | c+ | 1977750 | Infant chocolate cereals | L.mono LAS822 | ac | Spiking | 2.8 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 9269 | 2.35 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 9080 | 2,30 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977751 | Infant caramel cereals | L.mono JAR249 | ac | Spiking | 2.6 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8338 | 2.11 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 8856 | 2,24 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD |
| | c- | 1977772 | Infant cereal quinoa banana plum | L.innocua QBB281 | ac | Spiking | 4.2 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | EL | Ø | / | A | NA |
| | c+ | 1977773 | Infant cereals with honey | L.innocua QBB281 | ac | Spiking | 4.2 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 0 | 0.00 | NEGATIF | 9150 | 3.39 | POSITIF | EL | AM sans halo | *L.innocua* | *L.innocua* | P | PD | 0 | 0,00 | NEGATIF | 8942 | 3,31 | POSITIF | EL | AM sans halo | *L.innocua* | P | PD |
| | c+ | 1977774 | Biscuit flavored infant cereals | L.mono PCA920 | ac | Spiking | 5.0 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8364 | 2.12 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 8096 | 2,05 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977775 | Infant cereals with 5 cereals | L.mono PCA920 | ac | Spiking | 5.0 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8378 | 2.12 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 79997 | 2,03 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977776 | Whole oat and wheat infant cereals | L.ivanovii GQD028 | ac | Spiking | 4.8 | AM halo | AM halo | EM | EM | AM halo | AM halo | EM | EM | *L.ivanovii* | P | -1 | -0,00 | NEGATIF | 9946 | 3.68 | POSITIF | EM | AM halo | *L.ivanovii* | *L.ivanovii* | P | PA | -2 | -0,00 | NEGATIF | 9718 | 3,60 | POSITIF | EM | AM halo | *L.ivanovii* | P | PA |
| | c+ | 1977777 | Infant multi-cereals with exotic fruits | L.ivanovii GQD028 | ac | Spiking | 4.8 | AL halo | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L.ivanovii* | P | 1 | 0.00 | NEGATIF | 9615 | 3.56 | POSITIF | EM | AM halo | *L.ivanovii* | *L.ivanovii* | P | PA | 0 | 0,00 | NEGATIF | 9540 | 3,53 | POSITIF | EM | AM halo | *L.ivanovii* | P | PA |
| | c- | 1977778 | Brioche flavored Infant cereals | L.mono CLM641 | ac | Spiking | 4.0 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 0 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | Ø | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977779 | Infant vanilla cereals | L.mono CLM641 | ac | Spiking | 4.0 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 0 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EL | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c+ | 1977780 | Infant chocolate cereals | L.mono GND673 | ac | Spiking | 5.0 | AM halo | AM halo | EM | EM | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 8495 | 2.15 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PA | 8122 | 2,06 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977781 | Infant caramel cereals | L.mono GND673 | ac | Spiking | 5.0 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 8486 | 2.15 | POSITIF | / | / | POSITIF | Ø | AM halo | *L. monocytogenes* | *L. monocytogenes* | P | PD | 8333 | 2,11 | POSITIF | / | / | POSITIF | Ø | AM halo | *L. monocytogenes* | P | PD |
| | c- | 1977524 | Infant cereal quinoa banana plum B. lactis 1.1 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977525 | Infant cereals with honey B. lactis 3.4 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | EM | EM | / | A | 3 | 0,00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977526 | Biscuit flavored infant cereals B. lactis 7 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977527 | Infant multi-cereals with exotic fruits | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977528 | Infant cereals with 5 cereals B. lactis 5 $10^6$ CFU/g | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 133 | 0,03 | NEGATIF | 57 | 0.02 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977529 | Whole oat and wheat infant cereals B. lactis 6.8 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | EL | EL | EM | EM | / | A | 12 | 0,00 | NEGATIF | 64 | 0.02 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977538 | Brioche flavored Infant cereals | / | / | / | / | Ø | Ø | EL | EL | / | Ø | / | EM | / | A | -1 | -0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977539 | Infant vanilla cereals | / | / | / | / | Ø | Ø | EL | EL | / | Ø | / | EM | / | A | 31 | 0,00 | NEGATIF | 27 | 0.00 | NEGATIF | EM | EL | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977540 | Infant chocolate cereals | / | / | / | / | EL | EL | EL | EL | / | Ø | / | Ø | / | A | -1 | -0,00 | NEGATIF | 14 | 0.00 | NEGATIF | Ø | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |
| | c- | 1977541 | Infant caramel cereals | / | / | / | / | EL | EL | EL | EL | / | Ø | / | EM | / | A | 2 | 0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | / | A | NA | / | / | / | / | / | / | / | / | / | / | / | |

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | Identification | Final result | Alternative method VIDAS *Listeria LDUO* 22-26h | | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 22-26h - 4°C | | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | | | DLMO | | | DUS | | | Confirmation | | | Final result | | | | | | | | | | | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| Extension study | a+ | 1977572 | Raw milk cow cheese (Morbier) | / | nc | / | / | BM halo | BM halo | EM | EM | AL halo | AL halo | EM | EM | *L.monocytogenes* | P | 0 | 0.00 | NEGATIF | 0 | 0.00 | NEGATIF | EM | Ø | / | A | ND | 2 | 0.00 | NEGATIF | 26 | 0.00 | NEGATIF | EM | Ø | / | A | ND |
| | a+ | 1977573 | Raw milk cow cheese (La ronde) | / | nc | / | / | AM halo | AM halo | EM | EM | AM halo | BM halo | EM | EM | *L.monocytogenes* | P | 9508 | 2,39 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA | 1009 | 0.25 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | a- | 1977818 | Raw milk cow cheese (Camembert) | L. innocua QHW317 | ac | Seeding | 2.6 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 0 | 0.00 | NEGATIF | 26 | 0.00 | NEGATIF | Ø | Ø | / | A | NA | 0 | 0,00 | NEGATIF | 39 | 0,01 | NEGATIF | Ø | Ø | / | A | NA |
| | a- | 1977819 | Raw milk cow cheese (Comté) | L. innocua QHW317 | ac | Seeding | 2.6 | AL sans halo | AL sans halo | BL | BL | AM sans halo | AM sans halo | BL | BL | *L.innocua* | A | 20 | 0.00 | NEGATIF | 8797 | 3.32 | POSITIF | AM | AM sans halo | *L.innocua* | A | NA | 0 | 0,00 | NEGATIF | 9429 | 3,56 | POSITIF | BM | AM sans halo | *L. innocua* | A | NA |
| | a- | 1977820 | Raw milk goat cheese (Ste Maure de Tourraine) | L. innocua GLE603 | ac | Seeding | 0.8 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 108 | 0.04 | NEGATIF | Ø | Ø | / | A | NA | 2 | 0,00 | NEGATIF | 144 | 0,05 | NEGATIF | Ø | Ø | / | A | NA |
| | a- | 1977821 | Raw milk cow cheese (Tomme de Savoie) | L. innocua GLE603 | ac | Seeding | 0.8 | AL sans halo | AL sans halo | BL | BL | AM sans halo | AM sans halo | BM | BM | *L.innocua* | A | 2 | 0.00 | NEGATIF | 10145 | 3.83 | POSITIF | BM | BM sans halo | *L.innocua* | A | NA | 12 | 0,00 | NEGATIF | 6651 | 2,51 | POSITIF | BM | AM sans halo | *L. innocua* | A | NA |
| | a+ | 1977822 | Raw milk cow cheese (Maroilles) | / | nc | / | / | AM halo | AM halo | BM | BM | AM halo | AM halo | BL | BL | *L.monocytogenes* | P | 9807 | 2.48 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA | 10365 | 2,62 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977823 | Raw milk cow cheese (Tomme) | *L. mono* BMU793 | ac | Seeding | 2,0 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8537 | 2.16 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PD | 8586 | 2,17 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PD |
| | a+ | 1977824 | Raw milk cow cheese (Abondancee) | *L. mono* BMU793 | ac | Seeding | 2,0 | DL halo | DL halo | DL | DL | AL halo | AL halo | AL | AL | *L.monocytogenes* | P | 8189 | 2.07 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA | 8757 | 2,22 | POSITIF | / | / | POSITIF | BL | AL halo | *L. monocytogenes* | P | PA |
| | a+ | 1977825 | Raw milk cow cheese (Brie de Meaux) | *L. mono* BMU793 | ac | Seeding | 2,0 | AL halo | AL halo | DL | DL | AL halo | AL halo | AL | AL | *L.monocytogenes* | P | 8884 | 2.25 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA | 7852 | 1,99 | POSITIF | / | / | POSITIF | BL | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977827 | Raw milk goat cheese (Chabichou) | *L. mono* BLV059 | ac | Seeding | 2,2 | DL halo | DL halo | EL | EL | CL halo | CL halo | EL | EL | *L.monocytogenes* | P | 8807 | 2.23 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA | 10745 | 2,72 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977828 | Raw milk sheep cheese (Roquefort) | *L. mono* BLV059 | ac | Seeding | 2,2 | DL halo | DL halo | EL | EL | AL halo | AL halo | AL | AL | *L.monocytogenes* | P | 8267 | 2.09 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA | 8402 | 2,13 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | a- | 2034902 | Raw milk cow cheese (Bethmale) | *L.ivanovii GJP629* | ac | Seeding | 1.2 | EL | DL | EM | EM | AM | CM | CM | CM | *L. ivanovii* | A | 9 | 0,00 | NEGATIF | 5524 | 2,29 | POSITIF | CM | AM halo | *L. ivanovii* | A | NA | 9 | 0,00 | NEGATIF | 5128 | 2,27 | POSITIF | CM | AM halo | *L. ivanovii* | A | NA |
| | a- | 2034903 | Raw milk cow cheese (Beaufort) | *L.ivanovii GJP629* | ac | Seeding | 1.2 | EL | CL | EM | EM | AM | AM | BM | BM | *L. ivanovii* | A | 10 | 0.00 | NEGATIF | 8764 | 3.31 | POSITIF | BM | AM halo | *L. ivanovii* | A | NA | 10 | 0.00 | NEGATIF | 8825 | 3.38 | POSITIF | BM | AM halo | *L. ivanovii* | A | NA |
| | a- | 1977520 | Raw milk goat cheese | / | / | / | / | Ø | EL | EM | EM | EL | EL | EL | EL | / | A | 625 (11/42/2) | 0.16 (0.00/0.01/0.00) | POSITIF (-/-/-) | / (27/61/20) | / (0.00/0.002/0.00) | POSITIF (-/-/-) | EL | EM* | *: colonies bleues. BG+. MALDITOF: *B. cereus* Transfert FRASER puis iso ALOA: EM | A (FP) | NA (PP) | 22 | 0.00 | NEGATIF | 31 | 0.00 | NEGATIF | EL | EM | / | A | NA |
| | a- | 1977521 | Raw milk cow cheese (Comté) | / | / | / | / | EM | EM | EM | EM | EM | EM | EM | EM | / | A | 1 | 0.00 | NEGATIF | 20 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977522 | Raw milk cow cheese (St Nectaire) | / | / | / | / | Ø | EM | EM | EM | EL | EL | EM | EM | / | A | 10 | 0.00 | NEGATIF | 33 | 0.01 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977523 | Raw milk cow cheese (Tomme de Savoie) | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 9 | 0.00 | NEGATIF | 24 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977530 | Raw milk cow cheese (Reblochon de Savoie) | / | / | / | / | EL | EL | EM | EM | Ø | EL | EM | EM | / | A | 5 | 0.00 | NEGATIF | 26 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977531 | Raw milk cow cheese (Camembert AOP) | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | 24 | 0.00 | NEGATIF | 48 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977532 | Raw milk cow cheese (Abondance) | / | / | / | / | Ø | Ø | EM | EM | Ø | EM | EM | EM | / | A | -1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977533 | Raw milk sheep cheese (Roquefort) | / | / | / | / | Ø | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0.00 | NEGATIF | 19 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977534 | Raw milk goat cheese (Ste Maure) | / | / | / | / | Ø | EL | EL | EL | Ø | EL | EM | EM | / | A | 107 | 0.00 | NEGATIF | 124 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977535 | Raw milk cow cheese (Pirudel) | / | / | / | / | EL | EM | EM | EM | Ø | EM | EM | EM | / | A | 6 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977574 | Raw milk cow cheese (Tomme) | / | / | / | / | Ø | Ø | EM | EM | Ø | EL | EM | EM | / | A | 16 | 0.00 | NEGATIF | 47 | 0.01 | NEGATIF | EM | Ø | / | A | NA | 24 | 0.00 | NEGATIF | 56 | 0.001 | NEGATIF | EM | Ø | / | A | NA |
| | a- | 1977782 | White cheese made from raw milk batch 1 | / | / | / | / | EL | EL | EM | EM | Ø | EM | EM | EM | / | A | 48 | 0,01 | NEGATIF | 53 | 0,01 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977783 | White cheese made from raw milk batch 2 | / | / | / | / | EL | EL | EM | EM | Ø | EL | EL | EL | / | A | 8 | 0,00 | NEGATIF | 26 | 0,00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977784 | Raw milk cow cheese (Reblochon) | / | / | / | / | EL | EL | EM | EM | Ø | EL | EM | EM | / | A | 4 | 0,00 | NEGATIF | 24 | 0,00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a- | 1977785 | Raw milk cow cheese (St Nectaire) batch 1 | / | nc | / | / | DM halo | DM halo | EM | EM | AM sans halo | AM sans halo | EM | EM | *L.innocua* | A | 5 | 0,00 | NEGATIF | 135 | 0,05 | NEGATIF | EM | EM | / | A | NA | 24 | 0,00 | NEGATIF | 72 | 0,02 | NEGATIF | EM | EM | / | A | NA |
| | a- | 1977786 | Raw milk cow cheese (St Nectaire) batch 2 | / | nc | / | / | BL sans halo | BL sans halo | EM | EM | AM sans halo | AM sans halo | EM | EM | *L.innocua* | A | 9 | 0,00 | NEGATIF | 3486 | 1,29 | POSITIF | EM | AL sans halo | *L.innocua* | A | NA | 52 | 0,01 | NEGATIF | 644 | 0,23 | POSITIF | EM | AL sans halo | *L.innocua* | A | NA |
| | a- | 1977787 | Raw milk cow cheese (St Nectaire) batch 3 | / | nc | / | / | EL | EL | EM | EM | Ø | EL | EM | EM | / | A | 11 | 0,00 | NEGATIF | 28 | 0,01 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | a+ | 2067968 | Raw milk ewe cheese (Roquefort) | *L. mono* GCQ471 | ac | Seeding | 2.8 | CM halo | CM halo | DL | DL | AL halo | AM halo | AM | AM | *L.monocytogenes* | P | 8374 | 2.11 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA | 8402 | 2.13 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA |
| | a+ | 2067969 | Raw milk goat cheese (Ste Maure) | *L. mono* GCQ471 | ac | Seeding | 2.8 | AM halo | AM halo | DL | DL | AM halo | BM halo | AL | AM | *L.monocytogenes* | P | 8401 | 2.12 | POSITIF | / | / | POSITIF | AM | BM halo | *L.monocytogenes* | P | PA | 9312 | 2.35 | POSITIF | / | / | POSITIF | AM | BM halo | *L.monocytogenes* | P | PA |
| | a+ | 2067970 | Raw milk cow cheese (Camembert) | *L. mono* GCQ471 | ac | Seeding | 2.8 | AL halo | AL halo | DL | DL | AM halo | AM halo | AM | AM | *L.monocytogenes* | P | 8522 | 2.15 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA | 7884 | 1.99 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977542 | Pasteurized cow cheese (Munster) | *L. mono* CLM641 | ac | Seeding | 1.8 | Ø | EM | EM | EM | Ø | Ø | EM | EM | / | A | 1324 | 0.33 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PD | 1117 | 0.28 | POSITIF | / | / | POSITIF | EM | BM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977547 | Pasteurized cow cheese (Brie) | *L. mono* FKZ497 *L.welshimeri* GLX736 | ac | Seeding | 1,6/2,2 | AL sans halo+halo | AL sans halo+halo | BM | BM | AM sans halo+halo | AM sans halo+halo | AM | AM | *L.monocytogenes* *L.welshimeri* | P | 1123 | 0.28 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PA | 228 | 0.05 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977548 | Pasteurized sheep cheese (Bleu) | *L.mono* FMJ325 | ac | Seeding | 1.8 | EL | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | 9958 | 2.55 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA | 9298 | 2.38 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977549 | Pasteurized cow cheese (Merzer) | *L.mono* FMJ325 | ac | Seeding | 1.8 | Ø | Ø | EM | DM | Ø | BL | EM | EM | *L.monocytogenes* | P | 672 | 0.17 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA | 627 | 0.16 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977550 | Pasteurized sheep cheese | *L.mono* FMJ325 | ac | Seeding | 1.8 | Ø | AL halo | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 4370 | 1.12 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA | 1411 | 0.36 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977551 | Pasteurized cow cheese | *L.mono* FMJ325 | ac | Seeding | 1.8 | EM | EM | EM | EM | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | -1 | -0.00 | NEGATIF | 18 | 0.18 | NEGATIF | EM | Ø | / | A | ND | 1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | EM | Ø | / | A | ND |
| | b+ | 1978392 | Pasteurized cow cheese (Emmental) | L.mono CLM641 | ac | Seeding | 2.6 | BM halo | BM halo | BM | BM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 8739 | 2,21 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA | 8777 | 2,22 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1978393 | Pasteurized cow cheese (Vieux Pané) | L.mono CLM641 | ac | Seeding | 2.6 | AL halo | AL halo | CL | CL | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 11300 | 2,86 | POSITIF | / | / | POSITIF | BM | AL halo | *L.monocytogenes* | P | PA | 9517 | 2,41 | POSITIF | / | / | POSITIF | BM | AL halo | *L.monocytogenes* | P | PA |
| | b- | 1978394 | Pasteurized cow cheese (Chamois d'or) | L.mono FLD375 | ac | Seeding | 2.6 | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 12 | 0,00 | NEGATIF | 19 | 0,00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1978395 | Pasteurized cow cheese (Tomme) | L.mono FLD375 | ac | Seeding | 2.6 | EM | EM | EM | EM | Ø | EL | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 11 | 0,00 | NEGATIF | EL | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977512 | Pasteurized cow cheese (Merzer) | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | -1 | -0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977513 | Pasteurized cow cheese (Munster) | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | 19 | 0.00 | NEGATIF | 37 | 0.01 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977514 | Pasteurized cow cheese (Le Bleu) | / | / | / | / | EM | EM | EM | EM | Ø | Ø | EM | EM | / | A | 3 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977515 | Pasteurized cow cheese (Brie) | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 995 (327/33/148) | 0,25 (0.08/0.00/0.03) | POSITIF (+/-/-) | / (//52/159) | / (//0.01/0.05) | POSITIF (+/-/-) | EM* | EM** | *: colonies Esculine +. MALDITOF: *Enterococcus hirae* **: colonies bleues non caract.. MALDITOF: *Staphylococcus lentus* Transfert Fraser puis iso ALOA: EM | A (FP) | NA (PP) | 595 | 0.15 | POSITIF | / | / | POSITIF | EM | Ø | / | A (FP) | PD FP alt |
| | b- | 1977516 | Pasteurized sheep cheese (Bleu) | / | / | / | / | EL | EL | EM | EM | Ø | EM | EM | EM | / | A | 2 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977517 | Pasteurized sheep cheese | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 1 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977518 | Pasteurized goat chees | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 0 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977519 | Pasteurized goat cheese (Ossau Iraty) | / | / | / | / | EM | EM | EM | EM | EL | EL | EM | EM | / | A | 2 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977536 | Pasteurized cow cheese | / | / | / | / | EM | EM | EM | EM | EM | EM | EM | EM | / | A | -2 | -0.00 | NEGATIF | 20 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977537 | Pasteurized cow cheese with pepper | / | / | / | / | Ø | EM | EM | EM | EL | EL | EM | EM | / | A | 6 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | / | / |
| | b- | 1977543 | Pasteurized goat cheese | *L.innocua* QBB281 | ac | Seeding | 2,4 | Ø | AL sans halo | EL | EM | Ø | Ø | EM | EM | *L.innocua* | A | 11 | 0.00 | NEGATIF | 9456 | 3.44 | POSITIF | CM | AM sans halo | *L.innocua* | A | NA | 53 | 0.01 | NEGATIF | 9102 | 3.32 | POSITIF | DM | BM sans halo | *L.innocua* | A | NA |
| | b- | 1977544 | Pasteurized goat cheese (Ossau Iraty) | *L.innocua* QBB281 | ac | Seeding | 2.4 | AL sans halo | AL sans halo | EL | EM | AM sans halo | AM sans halo | BM | BM | *L.innocua* | A | -1 | -0.00 | NEGATIF | 3473 | 1.26 | POSITIF | CM | AM sans halo | *L.innocua* | A | NA | 7 | 0.00 | NEGATIF | 9372 | 3.41 | POSITIF | EM | BM sans halo | *L.innocua* | A | NA |
| | b+ | 1977546 | Pasteurized sheep cheese | *L. mono* FKZ497 *L.welshimeri* GLX736 | ac | Seeding | 1,6/2,2 | CL sans halo | CL sans halo | CM | EM | AM sans halo | AM sans halo | CM | CM | *L.welshimeri* | A | 3607 | 0.93 | POSITIF | / | / | POSITIF | CM | AM halo+san | *L.monocytogenes* *L.welshimeri* | P | PD | 956 | 0.24 | POSITIF | / | / | POSITIF | EM | AM halo+ | *L.monocytogenes* *L.welshimeri* | P | PD |

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | | Alternative method VIDAS *Listeria LDUO* 22-26h | | | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 22-26h - 4°C | | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | Identification | Final result | DLMO | | | DUS | | | Confirmation | | | Final result | | | DLMO | | | DUS | | | Confirmation | | | Final result | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| | b- | 1977552 | Pasteurized cow cheese (Emmental) | *L. ivanovii* GQD028 | ac | Seeding | 2.4 | EL | DL | EM | EM | AM | CM | EM | EM | *L. ivanovii* | A | 0 | 0.00 | NEGATIF | 12300 | 4.48 | POSITIF | EM | AM halo | *L. ivanovii* | A | NA | 1 | 0.00 | NEGATIF | 10962 | 3.99 | POSITIF | EM | AM halo | *L. ivanovii* | A | NA |
| | b- | 1977553 | Pasteurized cow cheese (Camembert) | *L. ivanovii* GQD028 | ac | Seeding | 2.4 | EL | DL | EM | EM | AM | BM | EM | EM | *L. ivanovii* | A | 54 | 0.01 | NEGATIF | 2274 | 0.82 | POSITIF | EM | AM halo | *L. ivanovii* | A | NA | 55 | 0.01 | NEGATIF | 2159 | 0.78 | POSITIF | EM | AM halo | *L. ivanovii* | A | NA |
| | b- | 1977606 | Pasteurized cow cheese (Emmental) | / | / | / | / | Ø | EL | EL | EL | / | EM | / | EM | / | A | -1 | 0.00 | NEGATIF | 21 | 0,00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977607 | Pasteurized cow cheese (Le Paillé) | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | 11 | 0.00 | NEGATIF | 28 | 0,01 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c+ | 1977582 | Skimmed milk powder | L.mono JAR249 | ac | Spiking | 4 | EM | EM | EM | EM | Ø | EL | EM | EM | / | A | 686 | 0,17 | POSITIF | / | / | POSITIF | EM | BM halo | *L.monocytogenes* | P | PD | 241 | 0.06 | POSITIF | / | / | POSITIF | EM | BM halo | *L.monocytogenes* | P | PD |
| | c+ | 1977558 | Goat milk powder | *L. mono* FLD375 | ac | Spiking | 4.6 | EM | EM | EM | EM | BM halo | BM halo | DM | DM | *L.monocytogenes* | P | 6716 | 1.72 | POSITIF | / | / | POSITIF | DM | BM halo | *L.monocytogenes* | P | PA | 1816 | 0.46 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 1977559 | Powdered caseinate | *L. mono* FLD375 | ac | Spiking | 4.6 | Ø | AL halo | EL | AL | AM halo | AM halo | DM | DM | *L.monocytogenes* | P | 10400 | 2.66 | POSITIF | / | / | POSITIF | DM | BM halo | *L.monocytogenes* | P | PA | 7314 | 1.87 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 1977584 | Powdered buttermilk | L.mono LAS822 | ac | Spiking | 4.4 | EM | EM | EM | EM | EL | EL | EL | EL | / | A | 6106 | 1,55 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PD | 4193 | 1,06 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PD |
| | c+ | 1977585 | Semi-skimmed milk powder | L.mono LAS822 | ac | Spiking | 4.4 | BM halo | BM halo | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 1500 | 0.38 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA | 233 | 0,05 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 1978383 | Skimmed milk powder | *L.mono* GND673 | ac | Spiking | 3.8 | EL | EL | EL | EL | EL | EL | EM | EM | / | A | 3083 | 0.78 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PD | 2866 | 0.71 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PD |
| | c- | 1978386 | Skimmed milk powder | *L.innocua* QHW317 | ac | Spiking | 1.6 | EL | EL | EL | EL | BM sans halo | BM sans halo | BM | BM | *L.innocua* | A | 0 | 0.00 | NEGATIF | 10204 | 3.78 | POSITIF | BM | AM sans halo | *L.innocua* | A | NA | 0 | 0.00 | NEGATIF | 10170 | 3.69 | POSITIF | EM | AL sans halo | *L.innocua* | A | NA |
| | c- | 1978387 | Organic skimmed milk powder | L.innocua BVG975 | ac | Spiking | 4.6 | DL | DL | EL | EL | BM sans halo | BM sans halo | BM | BM | *L.innocua* | A | 0 | 0.01 | NEGATIF | 10262 | 3.80 | POSITIF | AM | AM sans halo | *L.innocua* | A | NA | 0 | 0.01 | NEGATIF | 10321 | 3.81 | POSITIF | BM | BM sans halo | *L.innocua* | A | NA |
| | c- | 1977554 | Powdered whole milk | *L.innocua* GPQ140 | ac | Spiking | 4.0 | EM | EM | DM | EM | BM sans halo | BM sans halo | DM | DM | *L.innocua* | A | -2 | -0.00 | NEGATIF | 11057 | 4.03 | POSITIF | DM | BM sans halo | *L.innocua* | A | NA | -2.0 | -0.00 | NEGATIF | 10830 | 3.95 | POSITIF | BM | BM sans halo | *L.innocua* | A | NA |
| | c+ | 1977555 | Powdered whey | *L. mono* HBP652<br>*L.innocua* GPQ140 | ac | Spiking | 4,8/4,0 | Ø | EL | EL | EL | AM sans halo | AM sans halo | DM | DM | *L.innocua* | A | 671 | 0.17 | POSITIF | / | / | POSITIF | CM | AM halo+ | *L.innocua*<br>*L.monocytogenes* | P | PD | 643 | 0.16 | POSITIF | / | / | POSITIF | AM | AM halo+ | *L.innocua*<br>*L.monocytogenes* | P | PD |
| | c+ | 2067971 | Whey permeate | *L.mono* FK2497 | ac | Spiking | 4.2 | EL | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | 9134 | 2.30 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PA | 8992 | 2.27 | POSITIF | / | / | POSITIF | CM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 2067972 | Powdered buttermilk | *L.mono* FK2497 | ac | Spiking | 4.2 | Ø | AL halo | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 11462 | 2.89 | POSITIF | / | / | POSITIF | DM | BM halo | *L.monocytogenes* | P | PA | 7832 | 1.98 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | c+ | 2067973 | Ewe whole milk powder | *L.mono* FK2497 | ac | Spiking | 4.2 | EM | EM | EM | EM | BM halo | BM halo | DM | DM | *L.monocytogenes* | P | 8887 | 2.24 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA | 7951 | 2.01 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PA |
| | c- | 1977577 | Whey permeate | *L.mono* GND673 | ac | Spiking | 4.4 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -2 | -0.00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | A | NA | 0 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | A | NA |
| | c- | 1977578 | Organic skimmed milk powder | *L.mono* GND673 | ac | Spiking | 4.4 | EL | EL | EL | EL | Ø | EL | EL | EL | / | A | 1 | 0.00 | NEGATIF | 50 | 0.01 | NEGATIF | EM | EL | / | A | NA | 1 | 0.00 | NEGATIF | 52 | 0.01 | NEGATIF | EM | EL | / | A | NA |
| | c- | 1977579 | Skimmed milk powder LOT1 | *L.welshimeri* GLX736 | ac | Spiking | 3,2 | EL | EL | EM | EM | Ø | EL | EL | EL | / | A | 5 | 0.00 | NEGATIF | 43 | 0.01 | NEGATIF | EM | EM | / | A | NA | 0 | 0.00 | NEGATIF | 260 | 0.09 | NEGATIF | EM | DL sans halo | *L.welshimeri* | A | NA |
| | c- | 1977580 | Skimmed milk powder LOT2 | *L.welshimeri* GLX736 | ac | Spiking | 3,2 | DM sans halo | DM sans halo | EM | EM | Ø | EL | EL | EL | *L.welshimeri* | A | -1 | -0.00 | NEGATIF | 122 | 0.04 | NEGATIF | EM | BM sans halo | *L.welshimeri* | A | NA | 0 | 0.00 | NEGATIF | 10942 | 3.89 | POSITIF | EM | AM sans halo | *L.welshimeri* | A | NA |
| | c- | 1977583 | Whey permeat | L.mono JAR249 | ac | Spiking | 4 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 20 | 0,00 | NEGATIF | EM | EL | / | A | NA | -1 | -0,00 | NEGATIF | 22 | 0,00 | NEGATIF | EM | Ø | / | A | NA |
| | c- | 1977732 | Powdered whole milk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 38.00 | 0.01 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977733 | Powdered whey | / | / | / | / | Ø | Ø | EM | EM | Ø | Ø | EM | EM | / | A | 0 | 0,00 | NEGATIF | 19.00 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977734 | Semi-skimmed milk powder batch 1 | / | / | / | / | Ø | EL | EL | EL | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 30.00 | 0.01 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977735 | Skimmed milk powder | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 17.00 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977736 | Goat milk powder | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 3 | 0,00 | NEGATIF | 22.00 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977737 | Skimmed milk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 0 | 0,00 | NEGATIF | 19.00 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977738 | Powdered buttermilk | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 1 | 0,00 | NEGATIF | 20.00 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977739 | Whey permeate | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | -1 | -0,00 | NEGATIF | 17.00 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977740 | Organic skimmed milk powder | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | -1 | -0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977741 | Semi-skimmed milk powder batch 2 | / | / | / | / | EL | EL | EM | EM | EL | EL | EM | EM | / | A | 2 | 0,00 | NEGATIF | 28.00 | 0.01 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | Alternative method VIDAS *Listeria LDUO* 26-30h | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 26-30h - 4°C | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | Identification | Final result | DLMO | | | DLIS | | | Confirmation | | | Final result | | DLMO | | | DLIS | | | Confirmation | | | Final result | |
| | | | | | | | | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| | | | | Strain | Type | Stress | Level | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extension study | a+ | 1977560 | Baby milk powder 0-6 months | *L.innocua* GRR943<br>*L.mono* BMU793 | ac | Spiking | 2,8/3 | BM halo + sans | BM halo + sans | DM | DM | AM halo + sans | AM halo + sans | BM | BM | *L.innocua*<br>*L.monocytogenes* | P | 869 | 0,21 | POSITIF | / | / | POSITIF | DM | BM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA | 277 | 0.06 | POSITIF | / | / | POSITIF | DM | BM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA |
| | a+ | 1977561 | Baby milk powder 6-12 months LOT 1 | *L.innocua* GRR943<br>*L.mono* BMU793 | ac | Spiking | 2,8/3 | BM halo + sans | BM halo + sans | DM | DM | AM halo + sans | AM halo + sans | BM | BM | *L.innocua*<br>*L.monocytogenes* | P | 104 | 0,02 | NEGATIF | 9205 | 3.27 | POSITIF | DM | BM halo + sans | *L.monocytogenes*<br>*L. innocua* | A (FN) | ND | 20 | 0 | NEGATIF | 10042 | 3.57 | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | A (FN) | ND FN alt |
| | a+ | 1977562 | Baby milk powder1-3 years LOT 1 | *L.innocua* GRR943<br>*L.mono* BMU793 | ac | Spiking | 2,8/3 | AM halo + sans | BM halo + sans | DM | DM | AM halo + sans | AM halo + sans | DM | DM | *L.innocua*<br>*L.monocytogenes* | P | 8637 | 2,13 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.innocua*<br>*L.monocytogenes* | P | PA | 8522 | 2,12 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.innocua*<br>*L.monocytogenes* | P | PA |
| | a+ | 1977563 | Baby growth milk powder1-3 years | *L.innocua* GLE603<br>*L.mono* BLV059 | ac | Spiking | 3,0/4,0 | BM halo + sans | BM halo + sans | EM | EM | AM halo + sans | AM halo + sans | BM | BM | *L.monocytogenes*<br>*L. innocua* | P | 8438 | 2,12 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA | 8380 | 2.1 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | a+ | 1977564 | Baby goat milk powder 1- 3 years | *L.innocua* GLE603<br>*L.mono* BLV059 | ac | Spiking | 3,0/4,0 | BM halo + sans | BM halo + sans | EM | EM | AM halo + sans | AM halo + sans | BM | BM | *L.monocytogenes*<br>*L. innocua* | P | 556 | 0,13 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA | 1605 | 0.40 | POSITIF | / | / | POSITIF | DM | AM halo + sans | *L.monocytogenes*<br>*L. innocua* | P | PA |
| | a+ | 1977567 | Baby milk powder thickened formula 6-12 months | *L.mono* BVG975 | ac | Spiking | 4 | Ø | Ø | EL | EL | Ø | Ø | Ø | Ø | / | A | 8386 | 2,11 | POSITIF | / | / | POSITIF | DM | AM avec halo | *L. monocytogenes* | P | PD | 8891 | 2.23 | POSITIF | / | / | POSITIF | DM | AM avec halo | *L. monocytogenes* | P | PD |
| | a+ | 1977568 | Junior baby milk powder + 18 months | *L.mono* BVG975 | ac | Spiking | 4 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8648 | 2,17 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | P | PD | 8918 | 2.24 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | P | PD |
| | a+ | 1977569 | Baby milk powder 6-12 months LOT 2 | *L.mono* BVG975 | ac | Spiking | 4 | Ø | DL avec halo | EL | EL | AL avec halo | AL avec halo | DL | DL | *L. monocytogenes* | P | 1871 | 0,47 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | P | PA | 604 | 0.15 | POSITIF | / | / | POSITIF | BM | AM avec halo | *L. monocytogenes* | P | PA |
| | a- | 1977566 | Baby growth milk powder1-3 years | *L.mono* BVG975 | ac | Spiking | 4 | Ø | Ø | EM | EM | Ø | Ø | EL | EL | / | A | 0 | 0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | A | NA | 1 | 0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EM | Ø | / | A | NA |
| | a- | 1977570 | Baby milk powder 1-3 years LOT 1 | *L.innocua* QHW317 | ac | Spiking | 4.6 | AL sans halo | AL sans halo | EM | EM | AM sans halo | AM sans halo | BM | BM | *L. innocua* | A | -1 | -0,00 | NEGATIF | 9363 | 3.33 | POSITIF | BM | AM sans halo | *L. innocua* | A | NA | -1 | -0,00 | NEGATIF | 11868 | 4.22 | POSITIF | BM | AM sans halo | *L. innocua* | A | NA |
| | a- | 1977571 | Baby milk powder 1-3 years LOT 2 | *L.innocua* QHW317 | ac | Spiking | 4.6 | AL sans halo | AL sans halo | EM | DM | AM sans halo | AM sans halo | BM | BM | *L. innocua* | A | -1 | -0,00 | NEGATIF | 9200 | 3.27 | POSITIF | BM | AM sans halo | *L. innocua* | A | NA | -3 | -0,01 | NEGATIF | 9924 | 3.53 | POSITIF | BM | AM sans halo | *L. innocua* | A | NA |
| | a- | 1977596 | Baby milk powder 0-6 months | / | / | / | / | Ø | EL | EL | EL | / | EL | / | EM | / | A | -3 | -0,00 | NEGATIF | 30 | 0.01 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977597 | Baby milk powder 6-12 months LOT 1 | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | -2 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977598 | Baby milk powder 1-3 years LOT 1 | / | / | / | / | Ø | EL | EL | EL | / | EL | / | EM | / | A | -1 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977599 | Baby growth milk powder 1-3 years | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | 0 | 0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977600 | Baby growth milk powder 1-3 years | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | -3 | -0,00 | NEGATIF | 35 | 0.01 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977601 | Baby milk powder 1-3 years LOT 2 | / | / | / | / | Ø | EL | EL | EL | / | EL | / | EL | / | A | 0 | 0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | EM | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977602 | Baby milk powder 1-3 years | / | / | / | / | Ø | EL | Ø | EL | / | Ø | / | Ø | / | A | 1 | 0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977603 | Baby milk powder thickened formula 6-12 months | / | / | / | / | Ø | Ø | Ø | EL | / | Ø | / | EL | / | A | -1 | -0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977604 | Junior baby milk powder + 18 months | / | / | / | / | Ø | Ø | Ø | Ø | / | Ø | / | Ø | / | A | -1 | -0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | a- | 1977605 | Baby milk powder 6-12 months LOT 2 | / | / | / | / | Ø | EL | EL | EL | / | Ø | / | EL | / | A | -3 | -0,00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b+ | 1977591 | Organic infant milk 1-3 years<br>Bifidobactérium lactis - 21000000 UFC/g | L.mono PCA920 | ac | Spiking | 4.0 | EM | EM | EM | EM | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 7615 | 1,93 | POSITIF | / | / | POSITIF | EM | AL halo | *L.monocytogenes* | P | PA | 210 | 0.05 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977592 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | Ø | EL | EL | EL | Ø | EL | EM | EM | / | A | 11219 | 2,84 | POSITIF | / | / | POSITIF | AM | AM halo | *L.monocytogenes* | P | PD | 5397 | 1.37 | POSITIF | / | / | POSITIF | DM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977593 | Infant milk 6-12 months<br>Lactobacillus reuteri DSM 17938 - 6100000UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | AL halo | AL halo | EL | EL | AM halo | AM halo | DM | EM | *L.monocytogenes* | P | 10060 | 2,55 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA | 11166 | 2.83 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977594 | Infant milk 6-12 months<br>S.thermophilus - 7700000UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | AL halo | AL halo | EL | EL | Ø | Ø | EM | EM | *L.monocytogenes* | P | 7433 | 1,88 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA | 10543 | 2.67 | POSITIF | / | / | POSITIF | BM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977595 | Infant milk 6-12 months thickened formula<br>Bifidobactéries - 1600000 UFC/g | L.mono HBP652 | ac | Spiking | 4.6 | Ø | EL | EM | EM | Ø | Ø | EM | EM | / | A | 6299 | 1,59 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD | 1584 | 0.4 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977589 | Infant milk 1-3 years<br>Lactobacillus reuteri DSM 17938 - 5500000UFC/g | L.mono JAR249 | ac | Spiking | 4.0 | AL halo | AL halo | EL | EL | AM halo | AM halo | BM | BM | *L.monocytogenes* | P | 3364 | 0,85 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA | 571 | 0.14 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PA |
| | b+ | 1977590 | Organic infant milk 6-12 months<br>Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | L.mono PCA920 | ac | Spiking | 4.0 | AL halo | AL halo | EL | EL | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | 1 | 0.00 | NEGATIF | 21 | 0,00 | NEGATIF | EM | Ø | / | A | ND | 1 | 0,00 | NEGATIF | 20 | 0,00 | NEGATIF | / | / | / | A | ND |
| | b+ | 1977754 | Infant milk 6-12 months thickened formula<br>Bifidobactérium infantis - 4100000 UFC/g | L.ivanovii GQD028 | ac | Spiking | 4.4 | Ø | AL halo | EL | EL | / | AM halo | / | EM | *L.ivanovii* | A | 2 | 0,00 | NEGATIF | 6932 | 2.56 | POSITIF | EM | AM halo | *L.ivanovii* | A | NA | -1 | -0,00 | NEGATIF | 5827 | 2,15 | POSITIF | EM | AM halo | *L.ivanovii* | A | NA |
| | b+ | 1977756 | Organic infant milk 6-12 months<br>Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | L.ivanovii GQD028 | ac | Spiking | 4.4 | Ø | AL halo | EL | EL | / | AM halo | / | EM | *L.ivanovii* | A | 1 | 0,00 | NEGATIF | 21 | 0.00 | NEGATIF | EM | Ø | / | A | NA | 1 | 0,00 | NEGATIF | 25 | 0,00 | NEGATIF | EM | Ø | / | A | NA |
| | b+ | 1977760 | Infant milk 6-12 months<br>S.thermophilus - 7700000UFC/g | L.mono GND673 | ac | Spiking | 2.6 | EL | EL | EL | EL | / | Ø | / | EL | / | A | 8153 | 2,06 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD | 11251 | 2,85 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1977761 | Infant milk 6-12 months thickened formula<br>Bifidobactéries - 1600000 UFC/g | L.mono GND673 | ac | Spiking | 2.6 | Ø | Ø | EL | EL | / | Ø | / | EL | / | A | 9400 | 2,38 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD | 9317 | 2,36 | POSITIF | / | / | POSITIF | EM | AM halo | *L.monocytogenes* | P | PD |
| | b+ | 1978396 | Infant milk 6-12 months thickened formula<br>*Bifidobactérium infantis* - 3,4x10$^6$ UFC/g | *L.innocua* GPQ140 | ac | Spiking | 5 | Ø | Ø | Ø | EL | Ø | AM sans halo | Ø | AM | *L.innocua* | A | 1 | 0.00 | NEGATIF | 9615 | 3.56 | POSITIF | BM | AM sans halo | *L.innocua* | A | NA | 1 | 0.00 | NEGATIF | 9215 | 3.46 | POSITIF | BM | AM sans halo | *L.innocua* | A | NA |
| | b+ | 1978397 | Infant milk 1-3 years<br>*Lactobacillus reuteri* DSM 17938 - 5,4x10$^6$ | *L.innocua* GPQ140 | ac | Spiking | 5 | Ø | Ø | EM | EM | Ø | AM sans halo | EM | AM | *L.innocua* | A | 0 | 0.00 | NEGATIF | 9150 | 3.39 | POSITIF | AM | AM sans halo | *L.innocua* | A | NA | 0 | 0.00 | NEGATIF | 9167 | 3.40 | POSITIF | AM | AM sans halo | *L.innocua* | A | NA |
| | b- | 1977586 | Infant milk 0-6 months thickened formula<br>B.Lactis - 4700000 UFC/g | L.mono JAR249 | ac | Spiking | 4.0 | EL | EL | EM | EM | EL | EL | EM | EM | / | A | -1 | -0,00 | NEGATIF | 47 | 0,01 | NEGATIF | EM | EL | / | A | NA | 0 | 0,00 | NEGATIF | 54.00 | 0,02 | NEGATIF | / | / | / | A | NA |
| | b- | 1977587 | Infant milk 0-6 months (breastfeeding relay)<br>Lactobacillus reuteri DSM 17938 - 400000UFC/g | L.mono LAS822 | ac | Spiking | 4.4 | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | -2 | -0,00 | NEGATIF | 18 | 0,00 | NEGATIF | EM | Ø | / | A | NA | -1 | -0,00 | NEGATIF | 16.00 | 0,00 | NEGATIF | / | / | / | A | NA |
| | b- | 1977588 | Infant milk 6-12 months thickened formula<br>Bifidobactérium infantis - 4100000 UFC/g | L.mono LAS822 | ac | Spiking | 4.4 | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | 4 | 0.00 | NEGATIF | 23 | 0 | NEGATIF | EM | EL | / | A | NA | 6 | 0,00 | NEGATIF | 28.00 | 0,01 | NEGATIF | / | / | / | A | NA |
| | b- | 1977752 | Infant milk 0-6 months thickened formula<br>B.Lactis - 4700000 UFC/g | L.innocua QBB281 | ac | Spiking | 4.4 | Ø | Ø | Ø | Ø | / | Ø | / | EL | / | A | 0 | 0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977753 | Infant milk 0-6 months (breastfeeding relay)<br>Lactobacillus reuteri DSM 17938 - 400000UFC/g | L.welshimeri GLX736 | ac | Spiking | 2.8 | Ø | Ø | Ø | Ø | / | Ø | / | EL | / | A | 1 | 0,00 | NEGATIF | 22 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977755 | Infant milk 1-3 years<br>Lactobacillus reuteri DSM 17938 - 5500000UFC/g | L.innocua QBB281 | ac | Spiking | 4.4 | EL | EL | EL | EL | / | EL | / | EL | / | A | 3 | 0,00 | NEGATIF | 22 | 0.00 | NEGATIF | EL | Ø | / | A | NA | 2 | 0,00 | NEGATIF | 19 | 0,00 | NEGATIF | EL | Ø | / | A | NA |
| | b- | 1977757 | Organic infant milk 1-3 years<br>Bifidobactérium lactis - 21000000 UFC/g | L.mono CLM641 | ac | Spiking | 3 | EL | EL | EL | EL | / | EL | / | EL | / | A | 0 | 0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EL | Ø | / | A | NA | -1 | -0,00 | NEGATIF | 17 | 0,00 | NEGATIF | EL | Ø | / | A | NA |
| | b- | 1977758 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | L.mono CLM641 | ac | Spiking | 3 | Ø | Ø | Ø | Ø | / | Ø | / | Ø | / | A | 2 | 0,00 | NEGATIF | 21 | 0.00 | NEGATIF | Ø | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977759 | Infant milk 6-12 months<br>Lactobacillus reuteri DSM 17938 - 6100000UFC/g | L.mono CLM641 | ac | Spiking | 3 | EL | EL | EL | EL | / | Ø | / | EL | / | A | 0 | 0,00 | NEGATIF | 34 | 0.01 | NEGATIF | EL | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977762 | Infant milk 0-6 months thickened formula<br>B.Lactis - 4700000 UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -1 | -0,00 | NEGATIF | 30 | 0.01 | NEGATIF | Ø | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977763 | Infant milk 0-6 months (breastfeeding relay)<br>Lactobacillus reuteri DSM 17938 - 400000UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 15 | 0.00 | NEGATIF | Ø | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977764 | Infant milk 6-12 months thickened formula<br>Bifidobactérium infantis - 4100000 UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 1 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977765 | Infant milk 1-3 years<br>Lactobacillus reuteri DSM 17938 - 5500000UFC/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 49 | 0.01 | NEGATIF | Ø | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977766 | Organic infant milk 6-12 months<br>Lactobacillus fermentum hereditum CECT5716 - 1000000UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | EL | EL | / | A | 2 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977767 | Organic infant milk 1-3 years<br>Bifidobactérium lactis - 21000000 UFC/g | / | / | / | / | EL | EL | EM | EM | EL | EL | EL | EL | / | A | 0 | 0.00 | NEGATIF | 15 | 0.00 | NEGATIF | EL | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977768 | Infant milk 0-6 months greedy baby B.Lactis - 4500000 UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 2 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977769 | Infant milk 6-12 months<br>Lactobacillus reuteri DSM 17938 - 6100000UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | Ø | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | b- | 1977770 | Infant milk 6-12 months<br>S.thermophilus - 550000UFC/g | / | / | / | / | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 1 | 0.00 | NEGATIF | 21 | 0.00 | NEGATIF | Ø | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |

| Study | Type | Code | Sample | Contamination | | | | Reference method ISO 11290-1 # | | | | | | | | | | Alternative method VIDAS *Listeria LDUO* 26-30h | | | | | | | | | | | Agreement | Alternative method VIDAS *Listeria LDUO* 26-30h - 4°C | | | | | | | | | | Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Fraser 1/2 | | | | Fraser | | | | Identification | Final result | DLMO | | | DLIS | | | Confirmation | | | Final result | | | DLMO | | | DLIS | | | Confirmation | | | Final result | |
| | | | | Strain | Type | Stress | Level | ALOA | | Palcam | | ALOA | | Palcam | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | ALOA | Identification | | | | RFV | VT | Test result | RFV | VT | Test result | Palcam | AL | Identification | | |
| | b- | 1977771 | Organic infant milk 1-3 years Lactobacillus fermentum heredilum CECT5716 - 5800000 UFC/g | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 19 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c+ | 1977742 | Infant cereal quinoa banana plum B. lactis 1,1 $10^6$ CFU/g | L.mono RCJ280 | ac | Spiking | 4 | AL halo | AL halo | BM | BM | AM halo | AM halo | BM | BM | *L. monocytogenes* | P | 8941 | 2.26 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA | 8370 | 2,12 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977743 | Infant cereals with honey B. lactis 3,4 $10^6$ CFU/g | L.mono RCJ280 | ac | Spiking | 4 | AL halo | AL halo | BM | BM | AM halo | AM halo | BM | BM | *L. monocytogenes* | P | 9040 | 2.29 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA | 8407 | 2,13 | POSITIF | / | / | POSITIF | BM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977744 | Biscuit flavored infant cereals B. lactis 7 $10^5$ CFU/g | L.mono RCJ280 | ac | Spiking | 4 | AL halo | AL halo | EL | EL | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 10818 | 2.74 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA | 8804 | 2,23 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977745 | Infant cereals with 5 cereals B. lactis 5 $10^5$ CFU/g | L.mono RCJ280 | ac | Spiking | 4 | AL halo | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 9033 | 2.29 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA | 8325 | 2,11 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977746 | Whole oat and wheat infant cereals B. lactis 6,8 $10^6$ CFU/g | L.mono BNX114 | ac | Spiking | 3.4 | AL halo | AL halo | EL | EL | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 1 | 0.00 | NEGATIF | 24 | 0,00 | NEGATIF | EL | Ø | / | A | ND | 1 | 0,00 | NEGATIF | 30 | 0,01 | NEGATIF | EL | Ø | / | A | ND |
| | c+ | 1977747 | Infant multi-cereals with exotic fruits | L.mono BNX114 | ac | Spiking | 3.4 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 9017 | 2.28 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD | 8258 | 2,09 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977748 | Brioche flavored Infant cereals | L.mono RCJ280 | ac | Spiking | 4 | AL halo | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L. monocytogenes* | P | 8291 | 2.10 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA | 8971 | 2,27 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c- | 1977749 | Infant vanilla cereals | L.mono LAS822 | ac | Spiking | 2.8 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 16 | 0,00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c+ | 1977750 | Infant chocolate cereals | L.mono LAS822 | ac | Spiking | 2.8 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 9269 | 2.35 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD | 9080 | 2,30 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977751 | Infant caramel cereals | L.mono JAR249 | ac | Spiking | 2.6 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8338 | 2.11 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD | 8856 | 2,24 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PD |
| | c- | 1977772 | Infant cereal quinoa banana plum B. lactis 1,1 $10^6$ CFU/g | L.innocua QBB281 | ac | Spiking | 4.2 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 16.00 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | EL | Ø | / | A | NA |
| | c+ | 1977773 | Infant cereals with honey B. lactis 3,4 $10^6$ CFU/g | L.innocua QBB281 | ac | Spiking | 4.2 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 0 | 0.00 | NEGATIF | 9150.00 | 3.39 | POSITIF | EL | AM sans halo | *L.innocua* | A | NA | 0 | 0,00 | NEGATIF | 8942 | 3,31 | POSITIF | EL | AM sans halo | *L.innocua* | A | NA |
| | c+ | 1977774 | Biscuit flavored infant cereals B. lactis 7 $10^5$ CFU/g | L.mono PCA920 | ac | Spiking | 5 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8364 | 2.12 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | P | PD | 8096 | 2,05 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977775 | Infant cereals with 5 cereals B. lactis 5 $10^5$ CFU/g | L.mono PCA920 | ac | Spiking | 5 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 8378 | 2.12 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | P | PD | 79997 | 2,03 | POSITIF | / | / | POSITIF | EL | AM halo | *L. monocytogenes* | P | PD |
| | c+ | 1977776 | Whole oat and wheat infant cereals B. lactis 6,8 $10^6$ CFU/g | L.ivanovii GQD028 | ac | Spiking | 4.8 | AM halo | AM halo | EM | EM | AM halo | AM halo | EM | EM | *L.ivanovii* | A | -1 | -0,00 | NEGATIF | 9946.00 | 3.68 | POSITIF | EM | AM halo | *L.ivanovii* | A | NA | -2 | -0,00 | NEGATIF | 9718 | 3,60 | POSITIF | EM | AM halo | *L.ivanovii* | A | NA |
| | c+ | 1977777 | Infant multi-cereals with exotic fruits | L.ivanovii GQD028 | ac | Spiking | 4.8 | AL halo | AL halo | EM | EM | AM halo | AM halo | EM | EM | *L.ivanovii* | A | 1 | 0.00 | NEGATIF | 9615.00 | 3.56 | POSITIF | EM | AM halo | *L.ivanovii* | A | NA | 0 | 0,00 | NEGATIF | 9540 | 3,53 | POSITIF | EM | AM halo | *L.ivanovii* | A | NA |
| | c- | 1977778 | Brioche flavored Infant cereals | L.mono CLM641 | ac | Spiking | 4 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 0 | 0.00 | NEGATIF | 18.00 | 0.00 | NEGATIF | Ø | Ø | / | A | NA | / | / | / | / | / | / | Ø | Ø | / | A | NA |
| | c- | 1977779 | Infant vanilla cereals | L.mono CLM641 | ac | Spiking | 4 | Ø | Ø | EL | EL | Ø | Ø | EL | EL | / | A | 0 | 0.00 | NEGATIF | 18.00 | 0.00 | NEGATIF | EL | Ø | / | A | NA | / | / | / | / | / | / | EL | Ø | / | A | NA |
| | c+ | 1977780 | Infant chocolate cereals | L.mono GND673 | ac | Spiking | 5 | AM halo | AM halo | EM | EM | AM halo | AM halo | EM | EM | *L.monocytogenes* | P | 8495 | 2.15 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA | 8122 | 2,06 | POSITIF | / | / | POSITIF | EM | AM halo | *L. monocytogenes* | P | PA |
| | c+ | 1977781 | Infant caramel cereals | L.mono GND673 | ac | Spiking | 5 | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø | / | A | 8486 | 2.15 | POSITIF | / | / | POSITIF | Ø | AM halo | *L. monocytogenes* | P | PD | 8333 | 2,11 | POSITIF | / | / | POSITIF | Ø | AM halo | *L. monocytogenes* | P | PD |
| | c- | 1977524 | Infant cereal quinoa banana plum B. lactis 1,1 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977525 | Infant cereals with honey B. lactis 3,4 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | EM | EM | / | A | 3 | 0,00 | NEGATIF | 18 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977526 | Biscuit flavored infant cereals B. lactis 7 $10^5$ CFU/g | / | / | / | / | EL | EL | EL | EL | Ø | Ø | EL | EL | / | A | -1 | -0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977527 | Infant multi-cereals with exotic fruits | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | -2 | -0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977528 | Infant cereals with 5 cereals B. lactis 5 $10^5$ CFU/g | / | / | / | / | EL | EL | EM | EM | Ø | Ø | EM | EM | / | A | 133 | 0,03 | NEGATIF | 57 | 0.02 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977529 | Whole oat and wheat infant cereals B. lactis 6,8 $10^6$ CFU/g | / | / | / | / | EL | EL | EL | EL | EL | EL | EM | EM | / | A | 12 | 0,00 | NEGATIF | 64 | 0.02 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977538 | Brioche flavored Infant cereals | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | -1 | -0,00 | NEGATIF | 17 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977539 | Infant vanilla cereals | / | / | / | / | Ø | Ø | EL | EL | Ø | Ø | EM | EM | / | A | 31 | 0,00 | NEGATIF | 27 | 0.00 | NEGATIF | EM | EL | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977540 | Infant chocolate cereals | / | / | / | / | EL | EL | EL | EL | Ø | Ø | Ø | Ø | / | A | -1 | -0,00 | NEGATIF | 14 | 0.00 | NEGATIF | Ø | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |
| | c- | 1977541 | Infant caramel cereals | / | / | / | / | EL | EL | EL | EL | Ø | Ø | EM | EM | / | A | 2 | 0,00 | NEGATIF | 16 | 0.00 | NEGATIF | EM | Ø | / | A | NA | / | / | / | / | / | / | / | / | / | A | NA |

# Appendix E1

# Relative level of detection

# Initial validation study - Raw results

**Key**

| **Bacterial load** | **Distribution of the microflora** |
|---|---|
| L = low | A = pure culture of typical colonies |
| M = medium | B = mix with a majority of typical colonies |
| H = high | C = mix with a minority of typical colonies |
| Ø = absence | D = mix with rare typical colonies |
| | E = absence of typical colonies |

**Rillettes** - ***L.welshimeri***

1 000 000 CFU/g , *400 CFU/g et **80 CFU/g, ***430 CFU/g

| Contamination level | Real level (b/25g) | Reference method | | | | | | Alternative method VIDAS LDUO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser (10µl) | | Fraser | | Result | Conclusion | RFV LMO | VT | Result Test LMO | RFV LIS | VT | Result Test LIS | Streakings on | | | Result | Conclusion |
| | | P1 | OAA1 | P2 | OAA2 | | | | | | | | | PAL | OAA | RLM | | |
| 1 | 0 | Ø | Ø | Ø | Ø | - | 0/6 | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | 0/6 |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 17 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 20 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -5 | 0.00 | - | 24 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | 26 | 0.00 | - | 25 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | 30 | 0.00 | - | 28 | 0.01 | - | / | / | / | - | |
| 2** | 0.56 | +MA | +MA | +HA | +HA | + | 3/6 | -4 | 0.00 | - | 24 | 0.01 | - | / | / | / | - | 3/6 |
| | | Ø | -LE | Ø | Ø | - | | 128 | 0.03 | - | 6505 | 2.89 | + | +HA | +HA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | 78 | 0.01 | - | 6783 | 3.02 | + | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +HA | + | | -3 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | |
| | | +LA | +LA | +HA | +HA | + | | 70 | 0.01 | - | 6893 | 3.06 | + | +HA | +HA | +HA | + | |
| 3* | 0.74 | +LA | +LA | +HA | +HA | + | 4/6 | 71 | 0.01 | - | 7010 | 2.99 | + | +HA | +MA | +HA | + | 3/6 |
| | | +LA | +LA | +HA | +HA | + | | 65 | 0.01 | - | 7083 | 3.02 | + | +HA | +HA | +HB | + | |
| | | +LA | +LA | +HA | +MA | + | | -4 | 0.00 | - | 57 | 0.02 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 26 | 0.01 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| | | +LA | +LA | +HA | +MA | + | | 37 | 0.00 | - | 7069 | 3.02 | + | +HA | +MA | +HA | + | |
| 4*** | 1.68 | +MA | +MA | +HA | +HA | + | 5/6 | 60 | 0.01 | - | 6774 | 2.97 | + | +HA | +HA | +HA | + | 5/6 |
| | | +MA | +MA | +HA | +HA | + | | 30 | 0.00 | - | 7004 | 3.07 | + | +HA | +HA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | 38 | 0.00 | - | 6965 | 3.05 | + | +HA | +HB | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| | | +MA | +MA | +HA | +MA | + | | 46 | 0.01 | - | 6968 | 3.05 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 55 | 0.01 | - | 6873 | 3.01 | + | +HA | +HA | +HA | + | |
| 5* | 2.22 | Ø | Ø | Ø | Ø | - | 5/6 | 17 | 0.00 | - | 7638 | 3.26 | + | +HA | +HA | +HB | + | 6/6 |
| | | +LA | +LA | +HA | +MA | + | | 63 | 0.01 | - | 7721 | 3.30 | + | +HA | +MA | +HA | + | |
| | | +LA | +MA | +HA | +MA | + | | 78 | 0.01 | - | 7607 | 3.25 | + | +HA | +MA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 23 | 0.00 | - | 7736 | 3.30 | + | +HA | +MA | +HB | + | |
| | | +MA | +MA | +MA | +HA | + | | 25 | 0.00 | - | 7808 | 3.33 | + | +MA | +MA | +MB | + | |
| | | +MA | +MA | +HA | +HA | + | | 116 | 0.02 | - | 7287 | 3.11 | + | +HA | +HA | +HA | + | |
| 6** | 2.24 | +MA | +MA | +HA | +HA | + | 6/6 | 68 | 0.01 | - | 7090 | 3.15 | + | +HA | +HA | +HA | + | 6/6 |
| | | +MA | +MA | +HA | +HA | + | | 11 | 0.00 | - | 7230 | 3.21 | + | +HA | +HA | +HA | + | |
| | | +HA | +HA | +HA | +HA | + | | 62 | 0.01 | - | 7082 | 3.15 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 27 | 0.00 | - | 7838 | 3.48 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 43 | 0.01 | - | 7830 | 3.48 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 49 | 0.01 | - | 7593 | 3.38 | + | +HA | +HA | +HA | + | |

**Raw milk** - ***Listeria monocytogenes 1/2b***
72 000 CFU/ml

| Contamination level | Real level (b/25g) | Reference method | | | | | | Alternative method VIDAS LDUO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser (10µl) | | Fraser | | Result | Conclusion | RFV LMO | VT | Result Test LMO | RFV LIS | VT | Result Test LIS | Streakings on | | | Result | Conclusion |
| | | P1 | OAA1 | P2 | OAA2 | | | | | | | | | PAL | OAA | RLM | | |
| 1 | 0 | Ø | -LE | Ø | -LE | - | 0/6 | -5 | 0.00 | 15 | 0 | 0.01 | - | / | / | / | - | 0/6 |
| | | Ø | -LE | Ø | -LE | - | | -2 | 0.00 | 15 | 0 | 0.01 | - | / | / | / | - | |
| | | Ø | -LE | Ø | -LE | - | | -4 | 0.00 | 15 | 0 | 0.01 | - | / | / | / | - | |
| | | Ø | -LE | Ø | -LE | - | | 1 | 0.00 | - | 28 | 0.01 | - | / | / | / | - | |
| | | Ø | Ø | Ø | -ME | - | | -1 | 0.00 | - | 39 | 0.01 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 25 | 0.01 | - | / | / | / | - | |
| 2 | 0.41 | Ø | -LE | Ø | -ME | - | 2/6 | -4 | 0.00 | - | 17 | 0.00 | + by default | / | / | / | - | 1/6 |
| | | +LA | +LB | +HA | +HB | + | | -5 | 0.00 | - | 14 | 0.00 | + by default | / | / | / | - | |
| | | Ø | -LE | Ø | -LE | - | | -6 | 0.00 | - | 13 | 0.00 | + by default | / | / | / | - | |
| | | +LA | +LB | +HA | +HB | + | | 7466 | 1.93 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | Ø | -LE | Ø | -ME | - | | -5 | 0.00 | - | 12 | 0.00 | + by default | / | / | / | - | |
| | | Ø | -LE | Ø | -LE | - | | -9 | 0.00 | - | 12 | 0.00 | + by default | / | / | / | - | |
| 3 | 0.68 | +LA | +LB | +HA | +HB | + | 3/6 | -3 | 0.00 | - | 16 | 0.00 | - | / | / | / | - | 3/6 |
| | | Ø | -LE | Ø | -ME | - | | 7778 | 2.01 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +LA | +LB | +HA | +HB | + | | 10113 | 2.61 | + | / | / | + by default | +HA | +HB | +HB | + | |
| | | Ø | -LE | Ø | -ME | - | | -5 | 0.00 | - | 17 | 0.00 | - | / | / | / | - | |
| | | +LA | +LB | +HA | +HB | + | | 6930 | 1.79 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | Ø | -LE | Ø | -HE | - | | -6 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | |
| 4 | 0.95 | +LA | +LB | +HA | +HB | + | 6/6 | 9168 | 2.37 | + | / | / | + by default | +HA | +HB | +HA | + | 5/6 |
| | | +LA | +MB | +HA | +HB | + | | 6926 | 1.79 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +MA | +MB | +HA | +HB | + | | 6780 | 1.75 | + | / | / | + by default | +HA | +HB | HA | + | |
| | | +LA | +MB | +HA | +HB | + | | -7 | 0.00 | - | 13 | 0.00 | - | / | / | / | - | |
| | | +MA | +MB | +HA | +HB | + | | 6869 | 1.77 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +MA | +MB | +HA | +HB | + | | 7017 | 1.81 | + | / | / | + by default | +HA | +HB | +HB | + | |
| 5 | 1.12 | +LA | +MB | +HA | +HB | + | 6/6 | 6803 | 1.76 | + | / | / | + by default | +HA | +HB | +HA | + | 6/6 |
| | | +LA | +MB | +HB | +HB | + | | 7367 | 1.90 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +MA | +MB | +HA | +HB | + | | 7699 | 1.99 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +LA | +MB | +HB | +HB | + | | 6989 | 1.80 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +MA | +MB | +HB | +HB | + | | 6595 | 1.70 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +LA | +MB | +HB | +HB | + | | 6435 | 1.66 | + | / | / | + by default | +HA | +HB | +HA | + | |

**Raw milk** - ***Listeria innocua***

5 800 000 CFU/ml et *280 000 CFU/ml

| Contamination level | Real level (b/25g) | Reference method | | | | | | Alternative method VIDAS LDUO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser (10µl) | | Fraser | | Result | Conclusion | RFV LMO | VT | Result Test LMO | RFV LIS | VT | Result Test LIS | Streakings on | | | Result | Conclusion |
| | | P1 | OAA1 | P2 | OAA2 | | | | | | | | | PAL | OAA | RLM | | |
| 1 | 0 | Ø | -LE | Ø | -LE | - | 0/6 | -2 | 0.00 | - | 36 | 0.01 | - | / | / | / | - | 0/6 |
| | | Ø | -LE | Ø | -LE | - | | -2 | 0.00 | - | 45 | 0.02 | - | / | / | / | - | |
| | | Ø | -LE | Ø | -LE | - | | -1 | 0.00 | - | 29 | 0.01 | - | / | / | / | - | |
| | | -LE | -LE | Ø | -ME | - | | -2 | 0.00 | - | 28 | 0.01 | - | / | / | / | - | |
| | | -LE | -LE | Ø | -LE | - | | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | - | |
| | | -LE | -LE | -ME | -LE | - | | -3 | 0.00 | - | 30 | 0.01 | - | / | / | / | - | |
| 2 | 0.54 | Ø | | -LE | -LE | - | 1/6 | -2 | 0.00 | - | 29 | 0.01 | - | / | / | / | - | 1/6 |
| | | Ø | -LE | Ø | -LE | - | | -3 | 0.00 | - | 27 | 0.01 | - | / | / | / | - | |
| | | Ø | | -ME | Ø | - | | 17 | 0.00 | - | 7852 | 3.49 | + | | +HA | +HA | + | |
| | | +MB | +MB | +HA | +HB | + | | -2 | 0.00 | - | 30 | 0.01 | - | / | / | / | - | |
| | | -LE | -LE | -ME | -LE | - | | -1 | 0.00 | - | 31 | 0.01 | - | / | / | / | - | |
| | | -LE | -LE | Ø | -LE | - | | 0 | 0.00 | - | 34 | 0.01 | - | / | / | / | - | |
| 3 | 1.44 | Ø | -LE | Ø | -LE | - | 3/6 | 7 | 0.00 | - | 7178 | 3.19 | + | | +HB | +HA | + | 2/6 |
| | | Ø | -LE | -ME | -ME | - | | -4 | 0.00 | - | 26 | 0.01 | - | / | / | / | - | |
| | | +MB | +MB | +HA | +HB | + | | -3 | 0.00 | - | 36 | 0.01 | - | / | / | / | - | |
| | | +MB | +MB | +HA | +HB | + | | 7 | 0.00 | - | 7073 | 3.14 | + | | +HA | +HA | + | |
| | | +MB | +MB | +HA | +HB | + | | -2 | 0.00 | - | 29 | 0.01 | - | / | / | / | - | |
| | | Ø | Ø | Ø | -LE | - | | -3 | 0.00 | - | 24 | 0.01 | - | / | / | / | - | |
| 4 | 2.52 | Ø | | Ø | -LE | - | 2/6 | 6 | 0.00 | - | 7428 | 3.30 | + | | +HB | +HA | + | 3/6 |
| | | +MB | +MB | +HB | +MB | + | | 7 | 0.00 | - | 7345 | 3.27 | + | | +HB | +HA | + | |
| | | Ø | | -ME | -LE | - | | 6 | 0.00 | - | 7487 | 3.33 | + | | +HA | +HA | + | |
| | | Ø | | Ø | -LE | - | | -2 | 0.00 | - | 25 | 0.01 | - | | / | / | - | |
| | | +MB | +MB | +HA | +HB | + | | -2 | 0.00 | - | 29 | 0.01 | - | | / | / | - | |
| | | Ø | | Ø | -LE | - | | 0 | 0.00 | - | 30 | 0.01 | - | | / | / | - | |
| 5* | 2.9 | +MA | +MA | +HA | +MA | + | 6/6 | 92 | 0.02 | - | 7940 | 2.65 | + | +HA | +HA | +HA | + | 6/6 |
| | | +MA | +MA | +HA | +MA | + | | 52 | 0.01 | - | 8456 | 2.82 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +MA | + | | 87 | 0.02 | - | 8242 | 2.75 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +MA | +MA | + | | 84 | 0.02 | - | 7722 | 2.57 | + | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +MA | + | | 112 | 0.03 | - | 7621 | 2.54 | + | +HA | +MA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 36 | 0.01 | - | 8078 | 2.69 | + | +HA | +HA | +HA | + | |

**Smoked salmon** - ***Listeria monocytogenes 1/2a***

8 500 UFC/g

| Contamination level | Real level (b/25g) | Reference method | | | | | | Alternative method VIDAS LDUO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser (10µl) | | Fraser | | Result | Conclusion | RFV LMO | VT | Result Test LMO | RFV LIS | VT | Result Test LIS | Streakings on | | | Result | Conclusion |
| | | P1 | OAA1 | P2 | OAA2 | | | | | | | | | PAL | OAA | RLM | | |
| 1 | 0 | Ø | Ø | Ø | Ø | - | 0/6 | -6 | 0.00 | - | 13 | 0.00 | - | / | / | / | - | 0/6 |
| | | Ø | Ø | Ø | Ø | - | | 2 | 0.00 | - | 16 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -6 | 0.00 | - | 13 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 15 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -7 | 0.00 | - | 14 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -6 | 0.00 | - | 12 | 0.00 | - | / | / | / | - | |
| 2 | 0.3 | Ø | Ø | Ø | -LE | - | 1/6 | -5 | 0.00 | - | 13 | 0.00 | - | / | / | / | - | 1/6 |
| | | +LA | +LB | +HA | +HA | + | | 7127 | 1.84 | - | / | / | + by default | +HA | +HA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | -6 | 0.00 | - | 12 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 14 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | -ME | - | | -7 | 0.00 | - | 17 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -5 | 0.00 | - | 10 | 0.00 | - | / | / | / | - | |
| 4 | 1.24 | +LA | +LA | +HA | +HA | + | 4/6 | 8035 | 2.08 | + | / | / | + by default | +HA | +HA | +HA | + | 4/6 |
| | | +LA | +LA | +HA | +HA | + | | 8007 | 2.07 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +HA | + | | -4 | 0.00 | - | 14 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | 7536 | 1.95 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +HA | + | | -5 | 0.00 | - | 13 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | 7909 | 2.04 | + | / | / | + by default | +HA | +HA | +HA | + | |
| 6 | 2.63 | +MA | +MA | +HA | +HA | + | 6/6 | 7420 | 1.92 | + | / | / | + by default | +HA | +HA | +HA | + | 6/6 |
| | | +MA | +MA | +HA | +HA | + | | 7847 | 2.03 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +HA | + | | 7515 | 1.94 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 6838 | 1.77 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 6999 | 1.81 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +HA | + | | 6977 | 1.80 | + | / | / | + by default | +HA | +HA | +HA | + | |

**Red cabbage** - ***Listeria monocytogenes 4b***

40 000 000 UFC/g

| Contamination level | Real level (b/25g) | Reference method | | | | | | Alternative method VIDAS LDUO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser (10µl) | | Fraser | | Result | Conclusion | RFV LMO | VT | Result Test LMO | RFV LIS | VT | Result Test LIS | Streakings on | | | Result | Conclusion |
| | | P1 | OAA1 | P2 | OAA2 | | | | | | | | | PAL | OAA | RLM | | |
| 1 | 0 | Ø | Ø | Ø | Ø | - | 0/6 | -3 | 0.00 | - | 23 | 0.00 | - | / | / | / | - | 0/6 |
| | | Ø | Ø | Ø | Ø | - | | -2 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| | | Ø | -LE | Ø | -LE | - | | -3 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| | | -LE | Ø | Ø | Ø | - | | -3 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | -LE | - | | -4 | 0.00 | - | 17 | 0.00 | - | / | / | / | - | |
| 2 | 0.26 | +LA | +LA | +MA | +MA | + | 3/6 | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | 2/6 |
| | | +LA | +LA | +HA | +MA | + | | -3 | 0.00 | - | 16 | 0.00 | - | / | / | / | - | |
| | | +LA | +LA | +HA | +MA | + | | 2602 | 0.66 | + | / | / | + by default | +MA | +HA | +MA | + | |
| | | Ø | Ø | Ø | -LE | - | | 2759 | 0.69 | + | / | / | + by default | +HA | +MA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 23 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | |
| 3 | 0.52 | Ø | Ø | Ø | Ø | - | 2/6 | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | 4/6 |
| | | +LA | +LA | +HA | +MA | + | | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | 5711 | 1.44 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +MA | + | | 3599 | 0.91 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | 6368 | 1.61 | + | / | / | + by default | +MA | +MA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | 3228 | 0.81 | + | / | / | + by default | +HA | +MB | +HA | + | |
| 4 | 1.01 | +LA | -LE | +HA | +HA | + | 4/6 | 9274 | 2.38 | + | / | / | + by default | +HA | +HA | +HA | + | 4/6 |
| | | -LE | Ø | Ø | Ø | - | | 9009 | 2.32 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | Ø | +LA | +HA | +MA | + | | 10136 | 2.61 | + | / | / | + by default | +HA | +HB | +HB | + | |
| | | Ø | +LB | +HA | +MA | + | | 9538 | 2.45 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | +MA | +MA | + | | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | - | |
| 5 | 1.52 | +LA | +LB | +MA | +MA | + | 4/6 | 9893 | 2.54 | + | / | / | + by default | +HB | +HA | +HA | + | 6/6 |
| | | +LA | +LB | +MA | +MA | + | | 8776 | 2.26 | + | / | / | + by default | +HB | +HB | +HB | + | |
| | | +LA | -LE | +MA | +MA | + | | 8344 | 2.14 | + | / | / | + by default | +HA | +HA | +HB | + | |
| | | Ø | Ø | Ø | Ø | - | | 9033 | 2.32 | + | / | / | + by default | +HB | +HA | +HA | + | |
| | | Ø | -LE | Ø | Ø | - | | 8527 | 2.19 | + | / | / | + by default | +HA | +HA | +HB | + | |
| | | +LA | +LB | +HA | +MA | + | | 8384 | 2.16 | + | / | / | + by default | +HA | +HA | +HA | + | |
| 6 | 3.04 | +LA | +LB | +HA | +MA | + | 6/6 | 7592 | 1.95 | + | / | / | + by default | +HA | +HA | +HB | + | 6/6 |
| | | +LA | +LB | +MA | +MA | + | | 7524 | 1.93 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LB | +HA | +MA | + | | 8323 | 2.14 | + | / | / | + by default | +HA | +HB | +HA | + | |
| | | +LA | +LA | +MA | +HA | + | | 7898 | 2.03 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | Ø | +LB | +HA | +MA | + | | 9279 | 2.39 | + | / | / | + by default | +HB | +HA | +HB | + | |
| | | +LA | +LB | +HA | +HA | + | | 7684 | 1.97 | + | / | / | + by default | +HA | +HA | +HA | + | |

**Process water** - ***Listeria monocytogenes 1/2c***

1 100 UFC/ml et *1 300 UFC/ml

| Contamination level | Real level (b/25g) | Reference method | | | | | | Alternative method VIDAS LDUO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser (10µl) | | Fraser | | Result | Conclusion | RFV LMO | VT | Result Test LMO | RFV LIS | VT | Result Test LIS | Streakings on | | | Result | Conclusion |
| | | P1 | OAA1 | P2 | OAA2 | | | | | | | | | PAL | OAA | RLM | | |
| 1 | 0 | Ø | Ø | Ø | Ø | - | 0/6 | -3 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | 0/6 |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -2 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 19 | 0.00 | - | / | / | / | - | |
| 2* | 0.46 | Ø | Ø | Ø | Ø | - | 0/6 | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | - | 1/6 |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 23 | 0.01 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -3 | 0.00 | - | 20 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | 7504 | 1.91 | + | / | / | + by default | / | +HA | +HA | + | |
| | | Ø | Ø | Ø | Ø | - | | -5 | 0.00 | - | 32 | 0.01 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -5 | 0.00 | - | 20 | 0.00 | - | / | / | / | - | |
| 3 | 0.57 | +LA | +LA | +HA | +HA | + | 4/6 | 7517 | 1.92 | + | / | / | + by default | +HA | +HA | +HA | + | 3/6 |
| | | Ø | Ø | Ø | Ø | - | | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | |
| | | Ø | Ø | Ø | Ø | - | | -5 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | |
| | | +LA | +LA | +MA | +HA | + | | 7452 | 1.90 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +MA | + | | -5 | 0.00 | - | 23 | 0.00 | - | / | / | / | - | |
| | | +LA | +LA | +HA | +MA | + | | 7441 | 1.90 | + | / | / | + by default | +HA | +HA | +HA | + | |
| 4 | 1.52 | +LA | +LA | +HA | +HA | + | 6/6 | 6849 | 1.74 | + | / | / | + by default | +HA | +HA | +HA | + | 4/6 |
| | | +LA | +LA | +HA | +MA | + | | 6713 | 1.71 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +MA | + | | 6685 | 1.71 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +MA | + | | -4 | 0.00 | - | 21 | 0.00 | - | / | / | / | - | |
| | | +LA | +LA | +HA | +HA | + | | 6576 | 1.68 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +HA | + | | -4 | 0.00 | - | 22 | 0.00 | - | / | / | / | - | |
| 5 | 2.66 | +LA | +LA | +HA | +HA | + | 6/6 | 6713 | 1.71 | + | / | / | + by default | +HA | +HA | +HA | + | 6/6 |
| | | +MA | +MA | +HA | +HA | + | | 6835 | 1.74 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +HA | + | | 6686 | 1.70 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +MA | +MA | +HA | +MA | + | | 6780 | 1.73 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +MA | + | | 6876 | 1.75 | + | / | / | + by default | +HA | +HA | +HA | + | |
| | | +LA | +LA | +HA | +MA | + | | 6762 | 1.72 | + | / | / | + by default | +HA | +HA | +HA | + | |

# Appendix E2

# Relative level of detection

# Third renewal study - Raw results

**Key**

| **Bacterial load** | **Distribution of the microflora** |
|---|---|
| L = low | A = pure culture of typical colonies |
| M = medium | B = mix with a majority of typical colonies |
| H = high | C = mix with a minority of typical colonies |
| Ø = absence | D = mix with rare typical colonies |
| | E = absence of typical colonies |

**Matrix**: pastry cream **Bacterial strain**: *Listeria seeligeri* **Enumeration of the microorganisms**: 3,2 x $10^3$ CFU/g

| Code | CFU/ 25g | Reference method: EN ISO 11290-1:2017 (*) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | | Number of positive results / method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | |
| | | O&A A | PALCAM | O&A A | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | O&A A | PALCAM | API LIS gallery w/o purification | Res. | Identification | | |
| 1398010 | 0 | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 13 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | RM : 0 / 5<br>AM : 0 / 5 |
| 1398011 | | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 15 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398012 | | - ØE | - ØE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 14 | 0.00 | neg. | - ØE | - LE | / | / | / | A | |
| 1398013 | | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 14 | 0.00 | neg. | - LE | - LE | / | / | / | A | |
| 1398014 | | - ØE | - ØE | - ØE | - ØE | / | / | A | 0 | 0.00 | neg. | 15 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398015 | 0.8 | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | 0 | 0.00 | neg. | 11758 | 3.94 | pos. | + MA | + MA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | RM : 10 / 20<br>AM : 11 / 20 |
| 1398016 | | + LA | + MA | + HA | + HA | pos. | *L. seeligeri* | P | 1 | 0.00 | neg. | 9739 | 3.26 | pos. | + HA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398017 | | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 15 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398018 | | - ØE | - ØE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 15 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398019 | | - ØE | - ØE | - ØE | - ØE | / | / | A | 27 | 0.00 | neg. | 9551 | 3.20 | pos. | + HA | + LA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398020 | | + LA | + MA | + HA | + HA | pos. | *L. seeligeri* | P | 0 | 0.00 | neg. | 9581 | 3.21 | pos. | + MA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398021 | | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | -1 | -0.00 | neg. | 19 | 0.00 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398022 | | + LA | + LA | + HA | + HB | pos. | *L. seeligeri* | P | 0 | 0.00 | neg. | 9722 | 3.25 | pos. | + HB | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398023 | | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | -1 | -0.00 | neg. | 133 | 0.04 | neg. | - LE | - ØE | / | / | / | A | |
| 1398024 | | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 14 | 0.00 | neg. | - LE | - ØE | / | / | / | A | |
| 1398025 | | - LE | - ØE | - ØE | - ØE | / | / | A | 0 | 0.00 | neg. | 14 | 0.01 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398026 | | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | 0 | 0.01 | neg. | 9849 | 3.30 | pos. | + LA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398027 | | - ØE | - ØE | - ØE | - ØE | / | / | A | 0 | 0.00 | neg. | 9720 | 3.25 | pos. | + HB | + MA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398028 | | - ØE | - ØE | - ØE | - ØE | / | / | A | 0 | 0.00 | neg. | 10213 | 3.42 | pos. | + HA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398029 | | - ØE | - ØE | - ØE | - ØE | / | / | A | -1 | -0.00 | neg. | 17 | 0,00 | neg. | - ØE | - ØE | / | / | / | A | |
| 1398030 | | - ØE | - ØE | - ØE | - ØE | / | / | A | 0 | 0.00 | neg. | 10157 | 3.40 | pos. | + LA | + MA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398031 | | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | 2 | 0.00 | neg. | 10237 | 3.43 | pos. | + LA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398032 | | + MA | + MB | + HA | + HA | pos. | *L. seeligeri* | P | -2 | -0.00 | neg. | 14 | 0.00 | neg. | - ØE | - LE | / | / | / | A | |
| 1398033 | | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | -1 | -0.00 | neg. | 16 | 0.00 | neg. | - ØE | - LE | / | / | / | A | |
| 1398034 | | - ØE | - LE | - ØE | - LE | / | / | A | 0 | 0.00 | neg. | 9493 | 3.18 | pos. | + HA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398035 | 3.2 | + MA | + MB | + HA | + HA | pos. | *L. seeligeri* | P | 5 | 0.00 | neg. | 9620 | 3.22 | pos. | + MA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | RM : 5 / 5<br>AM : 5 / 5 |
| 1398036 | | + LB | + LA | + HA | + HA | pos. | *L. seeligeri* | P | 4 | 0.00 | neg. | 9658 | 3.23 | pos. | + HA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398037 | | + LA | + MA | + HA | + HA | pos. | *L. seeligeri* | P | 0 | 0.00 | neg. | 9742 | 3.26 | pos. | + MA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398038 | | + LA | + LA | + HA | + HA | pos. | *L. seeligeri* | P | 1 | 0.00 | neg. | 9763 | 3.27 | pos. | + HA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |
| 1398039 | | + LA | + MA | + HA | + HA | pos. | *L. seeligeri* | P | 0 | 0.00 | neg. | 9828 | 3.29 | pos. | + HA | + HA | *L. seeligeri* | *pos.* | *L. seeligeri* | P | |

# Appendix E3

# Relative level of detection

# Extension study - Raw results

**Key**

| **Bacterial load** | **Distribution of the microflora** |
|---|---|
| L = low | A = pure culture of typical colonies |
| M = medium | B = mix with a majority of typical colonies |
| H = high | C = mix with a minority of typical colonies |
| Ø = absence | D = mix with rare typical colonies |
| | E = absence of typical colonies |

**Matrix**: cottage cheese with raw milk **Bacterial strain**: *Listeria ivanovii GQD028* **Enumeration of the microorganisms**: 1000000000 CFU/g

| Code | CFU/ 125g | Reference method: EN ISO 11290-1:2017 (*) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | | Number of positive results / method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | | |
| | | ALOA | PALCAM | ALOA | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | ALOA | PALCAM | API LIS gallery w/o purification | Res. | Identification | | | |
| 1978433 | 0 | ø | ø | ø | ø | - | / | A | 2 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | RM: 0/5 AM: 0/5 |
| 1978434 | | ø | ø | ø | ø | - | / | A | 2 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | |
| 1978435 | | ø | ø | ø | ø | - | / | A | 5 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | |
| 1978436 | | ø | ø | ø | ø | - | / | A | 3 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | |
| 1978437 | | ø | ø | EM | EM | - | / | A | 10 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | |
| 2034864 | 1.2 | BM | CM | AM | AM | + | *L. ivanovii* | P | 2 | 0,00 | NEGATIF | 8014 | 2062 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | RM:13/20 AM:12/20 |
| 2034865 | | BM | BM | AM | AM | + | *L. ivanovii* | P | 1 | 0,00 | NEGATIF | 12168 | 3098 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034866 | | EM | EM | EM | EM | - | / | A | 0 | 0,00 | NEGATIF | 14 | 0.00 | NEGATIF | ø | ø | / | - | / | A | | |
| 2034867 | | EM | EM | EL | EL | - | / | A | 2 | 0,00 | NEGATIF | 11800 | 3.86 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034868 | | BM | BM | AM | AM | + | *L. ivanovii* | P | 0 | 0,00 | NEGATIF | 12 | 0.00 | NEGATIF | EL | EL | / | - | / | A | | |
| 2034869 | | EL | EM | EL | EL | - | / | A | 10 | 0,00 | NEGATIF | 11606 | 3.80 | POSITIF | AM | AL | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034870 | | BM | BM | AM | AL | + | *L. ivanovii* | P | 0 | 0,00 | NEGATIF | 13 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | |
| 2034871 | | BM | BM | AM | AL | + | *L. ivanovii* | P | -1 | -0,00 | NEGATIF | 12 | 0.00 | NEGATIF | EL | EL | / | - | / | A | | |
| 2034872 | | EM | EM | EM | EM | - | / | A | 0 | 0,00 | NEGATIF | 12 | 0.00 | NEGATIF | ø | ø | / | - | / | A | | |
| 2034873 | | BM | BM | AM | AM | + | *L. ivanovii* | P | 0 | 0,00 | NEGATIF | 11 | 0.00 | NEGATIF | ø | ø | / | - | / | A | | |
| 2034874 | | CM | CL | BM | BL | + | *L. ivanovii* | P | 2 | 0,00 | NEGATIF | 12906 | 4.23 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034875 | | BM | EL | AM | AM | + | *L. ivanovii* | P | 10 | 0,00 | NEGATIF | 2450 | 0.80 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034876 | | EL | EL | EL | EL | - | / | A | 0 | 0,00 | NEGATIF | 6645 | 2.17 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034877 | | BM | CM | AM | AL | + | *L. ivanovii* | P | 7 | 0,00 | NEGATIF | 12211 | 4.00 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034878 | | BM | CM | AM | AM | + | *L. ivanovii* | P | 1 | 0,00 | NEGATIF | 12203 | 4.00 | POSITIF | AL | AL | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034879 | | EM | EM | EM | EL | - | / | A | 3 | 0,00 | NEGATIF | 12743 | 4.17 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034880 | | EL | EL | ø | ø | - | / | A | 2 | 0,00 | NEGATIF | 12482 | 4.09 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034881 | | CM | CM | AM | AM | + | *L. ivanovii* | P | 1 | 0,00 | NEGATIF | 12874 | 4.22 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 2034882 | | CL | CL | AL | AL | + | *L. ivanovii* | P | -1 | -0,00 | NEGATIF | 13 | 0.00 | NEGATIF | ø | ø | / | - | / | A | | |
| 2034883 | | BM | BM | AM | AL | + | *L. ivanovii* | P | -1 | -0,00 | NEGATIF | 12 | 0.00 | NEGATIF | ø | EL | / | - | / | A | | |
| 1978438 | 3.3 | ø | ø | AM | AM | + | *L. ivanovii* | P | 1 | 0,00 | NEGATIF | 10127 | 3.32 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | RM: 5/5 AM: 5/5 |
| 1978439 | | ø | ø | AM | AM | + | *L. ivanovii* | P | -1 | -0,00 | NEGATIF | 6501 | 2.13 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 1978440 | | ø | ø | AM | AM | + | *L. ivanovii* | P | 3 | 0,00 | NEGATIF | 2315 | 0.75 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 1978441 | | ø | ø | AM | AM | + | *L. ivanovii* | P | 14 | 0,00 | NEGATIF | 9246 | 3.03 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |
| 1978442 | | ø | ø | AM | AM | + | *L. ivanovii* | P | 11 | 0,00 | NEGATIF | 7958 | 2.60 | POSITIF | AM | AM | *L. ivanovii* | + | *L. ivanovii* | P | | |

**Matrix**: Infant milk powder with probiotics

**Bacterial strain**: *Listeria monocytogenes* JAR249

**Enumeration of the microorganisms**: 160 CFU/g

**Enumeration of the probiotics *Lactobacillus reuteri* DSM 17938:** 5400000 CFU/g

| Code | CFU/ 125g | Reference method: EN ISO 11290-1:2017 (*) | | | | | | | Alternative method: VIDAS LDUO | | | | | | | | | | | | Number of positive results / method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 Fraser | | Fraser | | Confirmation | | Final result | VIDAS LDUO | | | | | | Alternative method confirmation | | | Conf. acc. ISO 11290-1 | | Final result | |
| | | ALOA | PALCAM | ALOA | PALCAM | Res. | Identification | | RFV LMO | VT | Result LMO | RFV LIS | VT | Result LIS | ALOA | PALCAM | API LIS gallery w/o purification | Res. | Identification | | |
| 1978428 | 0 | ø | ø | ø | ø | - | / | A | 0 | 0.00 | NEGATIF | 14 | 0.00 | NEGATIF | ø | ø | / | A | / | A | RM:0/5 AM:0/5 |
| 1978429 | | ø | ø | ø | ø | - | / | A | 0 | 0.00 | NEGATIF | 17 | 0.00 | NEGATIF | ø | ø | / | A | / | A | |
| 1978430 | | ø | ø | ø | ø | - | / | A | 0 | 0.00 | NEGATIF | 22 | 0.00 | NEGATIF | ø | ø | / | A | / | A | |
| 1978431 | | ø | ø | ø | ø | - | / | A | -1 | -0,00 | NEGATIF | 13 | 0.00 | NEGATIF | ø | ø | / | A | / | A | |
| 1978432 | | ø | ø | ø | ø | - | / | A | 2 | 0.00 | NEGATIF | 18 | 0.00 | NEGATIF | ø | ø | / | A | / | A | |
| 2045368 | 1.00 | AL | ø | AM | BM | + | *L.monocytogenes* | P | 3 | 0,00 | NEGATIF | 16 | 0.00 | NEGATIF | ø | ø | / | A | / | A | RM:13/20 AM:12/20 |
| 2045369 | | AL | ø | AM | BM | + | *L.monocytogenes* | P | 1 | 0,00 | NEGATIF | 23 | 0.00 | NEGATIF | ø | ø | / | A | / | A | |
| 2045370 | | ø | ø | AM | BM | + | *L.monocytogenes* | P | 5731 | 1,45 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045371 | | ø | ø | ø | EM | - | / | A | 11180 | 2,83 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045372 | | AL | ø | AM | BM | + | *L.monocytogenes* | P | 2 | 0,00 | NEGATIF | 21 | 0.00 | NEGATIF | ø | ø | / | A | / | A | |
| 2045373 | | EL | EL | AM | EM | + | *L.monocytogenes* | P | 1353 | 0,34 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045374 | | ø | EL | ø | EM | - | / | A | 387 | 0,09 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045375 | | AL | AL | AM | BM | + | *L.monocytogenes* | P | 7992 | 2,02 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045376 | | ø | EL | ø | EM | - | / | A | 12888 | 3,27 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045377 | | ø | EL | ø | EM | - | / | A | 0 | 0,00 | NEGATIF | 11 | 0.00 | NEGATIF | ø | EM | / | A | / | A | |
| 2045378 | | ø | EL | AM | BM | + | *L.monocytogenes* | P | 10959 | 2,78 | POSITIF | / | / | POSITIF | AM | AM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045379 | | ø | EL | ø | EM | - | / | A | 9151 | 2,32 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045380 | | AL | AL | AM | BM | + | *L.monocytogenes* | P | 10126 | 2,57 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045381 | | ø | EL | ø | EM | - | / | A | 380 | 0,09 | POSITIF | / | / | POSITIF | AM | EM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045382 | | AL | EL | AM | BM | + | *L.monocytogenes* | P | 3 | 0,00 | NEGATIF | 21 | 0.00 | NEGATIF | EL | EM | / | A | / | A | |
| 2045383 | | AL | AL | AM | BM | + | *L.monocytogenes* | P | 9023 | 2,29 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045384 | | ø | ø | AM | BM | + | *L.monocytogenes* | P | 11224 | 2,85 | POSITIF | / | / | POSITIF | AM | AM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045385 | | ø | ø | ø | EM | - | / | A | 0 | 0,00 | NEGATIF | 34 | 0.01 | NEGATIF | ø | EM | / | A | / | A | |
| 2045386 | | AL | EL | AM | BM | + | *L.monocytogenes* | P | -1 | -0,00 | NEGATIF | 12 | 0.00 | NEGATIF | ø | EM | / | A | / | A | |
| 2045387 | | AL | EL | AM | BM | + | *L.monocytogenes* | P | 0 | 0,00 | NEGATIF | 12 | 0.00 | NEGATIF | ø | EM | / | A | / | A | |
| 2045393 | 2.00 | AL | BL | AM | BM | + | *L.monocytogenes* | P | 8788 | 2.23 | POSITIF | / | / | POSITIF | AM | AM | *L.monocytogenes* | P | *L.monocytogenes* | P | RM:5/5 AM:5/5 |
| 2045394 | | AL | EL | AM | BM | + | *L.monocytogenes* | P | 9464 | 2.40 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045395 | | BL | BL | AM | BM | + | *L.monocytogenes* | P | 614 | 0.15 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045396 | | AL | AL | AM | BM | + | *L.monocytogenes* | P | 11012 | 2.79 | POSITIF | / | / | POSITIF | AM | AM | *L.monocytogenes* | P | *L.monocytogenes* | P | |
| 2045397 | | ø | EL | AM | BM | + | *L.monocytogenes* | P | 415 | 0.10 | POSITIF | / | / | POSITIF | AM | DM | *L.monocytogenes* | P | *L.monocytogenes* | P | |

# APPENDIX F

# INCLUSIVITY – EXCLUSIVITY STUDY RAW RESULTS

**Inclusivity - *Listeria monocytogenes***

| # | Reference | Strain | Origin | Inoculation level in 225 ml of LX broth | RFV LMO | VT | LMO test results | RFV LIS | VT | LIS test results | Isolation on | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | PALCAM | OAA | RLM |
| 1 | L4 | *Listeria monocytogenes* 1/2a | ATTCC 35152 | 3.6 | 7818 | 1.97 | + | / | / | + by default | +HA | +HA | +HA |
| 2 | L5 | *Listeria monocytogenes* 1/2a | Smoked salmon lardons | 3.6 | 8122 | 2.05 | + | / | / | + by default | +HA | +HA | +HA |
| 3 | L6 | *Listeria monocytogenes* 1/2a | Pizza | 4.4 | 7908 | 1.99 | + | / | / | + by default | +HA | +HA | +HA |
| 4 | L7 | *Listeria monocytogenes* 1/2a | Munster cheese | 5.0 | 7533 | 1.90 | + | / | / | + by default | +HA | +HA | +HA |
| 5 | L10 | *Listeria monocytogenes* 1/2a | Rillettes | 3.7 | 7707 | 1.94 | + | / | / | + by default | +HA | +HA | +HA |
| 6 | L11 | *Listeria monocytogenes* 1/2a | Munster cheese | 4.6 | 7594 | 1.91 | + | / | / | + by default | +HA | +HA | +HA |
| 7 | L12 | *Listeria monocytogenes* 1/2a | Smoked salmon | 5.0 | 7746 | 1.95 | + | / | / | + by default | +HA | +HA | +HA |
| 8 | L40 | *Listeria monocytogenes* 1/2a | Munster cheese | 3.8 | 7496 | 1.89 | + | / | / | + by default | +HA | +MA | +HA |
| 9 | L42 | *Listeria monocytogenes* 1/2a | Chicken cutlet | 4.2 | 7765 | 1.96 | + | / | / | + by default | +HA | +HA | +HA |
| 10 | L43 | *Listeria monocytogenes* 1/2a | Minced meat | 5.0 | 7674 | 1.93 | + | / | / | + by default | +HA | +HA | +HA |
| 11 | L44 | *Listeria monocytogenes* 1/2a | Dried sausage | 0.9 | 7659 | 1.93 | + | / | / | + by default | +HA | +HA | +HA |
| 12 | L45 | *Listeria monocytogenes* 1/2a | Rabbit terrine | 1.1 | 8004 | 2.02 | + | / | / | + by default | +HA | +HA | +HA |
| 13 | L47 | *Listeria monocytogenes* 1/2a | Fried potatoes | 5.5 | 7355 | 1.85 | + | / | / | + by default | +HA | +HA | +HA |
| 14 | L116 | *Listeria monocytogenes* 1/2a | Fish in cream sauce | 3.6 | 7431 | 1.87 | + | / | / | + by default | +MA | +MA | +MA |
| 15 | L128 | *Listeria monocytogenes* 1/2a | Soy cake | 5.7 | 7534 | 1.94 | + | / | / | + by default | +HA | +HA | +HA |
| 16 | L129 | *Listeria monocytogenes* 1/2a | Fried potatoes | 6.0 | 7660 | 1.97 | + | / | / | + by default | +HA | +MA | +MA |
| 17 | L37 | *Listeria monocytogenes* 1/2b | Maroilles cheese made with raw milk | 3.8 | 7780 | 1.96 | + | / | / | + by default | +HA | +HA | +HA |
| 18 | L49 | *Listeria monocytogenes* 1/2b | Chicken liver mousse | 3.8 | 6823 | 1.72 | + | / | / | + by default | +HA | +HA | +HA |
| 19 | L51 | *Listeria monocytogenes* 1/2b | Matured cheese | 3.0 | 6665 | 1.68 | + | / | / | + by default | +HA | +HA | +HA |
| 20 | L14 | *Listeria monocytogenes* 1/2c | Minced meat | 4.4 | 7986 | 2.01 | + | / | / | + by default | +HA | +HA | +HA |
| 21 | L15 | *Listeria monocytogenes* 1/2c | Beef | 4.0 | 7634 | 1.92 | + | / | / | + by default | +MA | +MA | +HA |
| 22 | L16 | *Listeria monocytogenes* 1/2c | Minced meat | 4.5 | 7496 | 1.89 | + | / | / | + by default | +MA | +MA | +HA |
| 23 | L17 | *Listeria monocytogenes* 1/2c | Pork belly | 5.6 | 7432 | 1.87 | + | / | / | + by default | +HA | +HA | +HA |
| 24 | L18 | *Listeria monocytogenes* 1/2c | Munster cheese | 6.1 | 7561 | 1.90 | + | / | / | + by default | +HA | +HA | +HA |
| 25 | L53 | *Listeria monocytogenes* 1/2c | Minced beef burger | 3.9 | 7730 | 1.95 | + | / | / | + by default | +HA | +MA | +HA |
| 26 | L54 | *Listeria monocytogenes* 1/2c | Beef bourguignon | 5.6 | 7579 | 1.91 | + | / | / | + by default | +HA | +HA | +HA |
| 27 | L117 | *Listeria monocytogenes* 1/2c | Montbéliard sausage | 3.8 | 7490 | 1.89 | + | / | / | + by default | +HA | +HA | +HA |
| 28 | L20 | *Listeria monocytogenes 1/2* | Salmon offcuts | 4.4 | 7489 | 1.89 | + | / | / | + by default | +MA | +MA | +MA |
| 29 | L55 | *Listeria monocytogenes 3b* | SLCC 2540 | 6.2 | 7418 | 1.87 | + | / | / | + by default | +HA | +HA | +HA |
| 30 | L56 | *Listeria monocytogenes 3c* | SLCC 2479 | 6.2 | 7396 | 1.86 | + | / | / | + by default | +HA | +HA | +HA |
| 31 | L57 | *Listeria monocytogenes 4a* | ATCC 19114 | 5.4 | 5423 | 1.36 | + | / | / | + by default | +HA | +HA | +HA |
| 32 | L32 | *Listeria monocytogenes 4b* | Munster cheese | 5.2 | 7784 | 1.96 | + | / | / | + by default | +HA | +HA | +HA |
| 33 | L33 | *Listeria monocytogenes 4b* | ATCC 19115 | 3.4 | 9504 | 2.39 | + | / | / | + by default | +HA | +HA | +HA |
| 34 | L58 | *Listeria monocytogenes 4b* | Salad | 5.5 | 7916 | 1.99 | + | / | / | + by default | +HA | +HA | +HA |
| 35 | L138 | *Listeria monocytogenes 4b* | Collection | 5.0 | 7823 | 2.01 | + | / | / | + by default | +HA | +MA | +MA |
| 36 | L60 | *Listeria monocytogenes 4d* | ATCC | 4.3 | 9104 | 2.29 | + | / | / | + by default | +HA | +HA | +HA |
| 37 | L61 | *Listeria monocytogenes 4e* | ATCC 19118 | 5.2 | 5964 | 1.50 | + | / | / | + by default | +HA | +HA | +HA |
| 38 | L62 | *Listeria monocytogenes 4e* | Reblochon cheese | 4.2 | 7649 | 1.93 | + | / | / | + by default | +HA | +HA | +HA |
| 39 | L63 | *Listeria monocytogenes 4e* | Munster cheese | 4.0 | 7647 | 1.93 | + | / | / | + by default | +HA | +HA | +HA |
| 40 | L67 | *Listeria monocytogenes 7* | SLCC 2482 | 3.0 | 9822 | 2.47 | + | / | / | + by default | +HA | +HA | +HA |
| 41 | L119 | *Listeria monocytogenes* | Spinach | 4.2 | 7228 | 1.82 | + | / | / | + by default | +HA | +HA | +HA |
| 42 | L123 | *Listeria monocytogenes* | Mozzarella | 3.1 | 7587 | 1.91 | + | / | / | + by default | +HA | +HA | +HA |
| 43 | L124 | *Listeria monocytogenes* | Fillet of perch | 2.9 | 7404 | 1.86 | + | / | / | + by default | +HA | +HA | +HA |
| 44 | L125 | *Listeria monocytogenes* | Pan-fried vegetables | 4.4 | 7557 | 1.90 | + | / | / | + by default | +HA | +HA | +HA |
| 45 | L137 | *Listeria monocytogenes* | Coulommiers cheese made with raw milk | 8.5 | 7641 | 1.96 | + | / | / | + by default | +HA | +HA | +HA |
| 46 | L141 | *Listeria monocytogenes* | Environmental sample | 5.5 | 7703 | 1.98 | + | / | / | + by default | +HA | +MA | +MA |
| 47 | L149 | *Listeria monocytogenes* | Environmental sample | 0.9 | 9351 | 2.36 | + | / | / | + by default | +MA | +MA | +MA |
| 48 | L152 | *Listeria monocytogenes* | Environmental sample | 4.0 | 7737 | 1.95 | + | / | / | + by default | +MA | +MA | +MA |
| 49 | L69 | *Listeria monocytogenes* | Dried sausage | 3.3 | 7756 | 1.95 | + | / | / | + by default | +HA | +MA | +MA |
| 50 | L70 | *Listeria monocytogenes* | Smoked salmon | 3.7 | 7775 | 1.96 | + | / | / | + by default | +MA | +MA | +HA |

**Inclusivity - *Listeria* spp other than *Listeria monocytogenes***

| # | Reference | Strain | Origin | Inoculation rate in 225 ml of LX broth | RFV LMO | VT | LMO test results | RFV LIS | VT | LIS test results | Isolation on | | | Reference method | | | | Isolation LX broth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | PALCAM | OAA | RLM | 1/2 Fraser | | Fraser | | |
| | | | | | | | | | | | | | | P1 | OA1 | P2 | OA2 | |
| 1 | L3 | *Listeria innocua* | Heifer's liver | 20.0 | 7 | 0.00 | - | 8106 | 3.55 | + | +HA | +HA | +HA | | | | | |
| 2 | L1 | *Listeria innocua* | ATCC 33090 | 9.0 | 6 | 0.00 | - | 7354 | 3.27 | + | +HA | +HA | +HA | | | | | |
| 3 | L64 | *Listeria innocua* | Époisses cheese | 3.5 | 8 | 0.00 | - | 7742 | 3.43 | + | +HA | +MA | +HA | | | | | |
| 4 | L66 | *Listeria innocua* | Spinach | 4.1 | 10 | 0.00 | - | 7998 | 3.50 | + | +MA | +MA | +MA | | | | | |
| 5 | L71 | *Listeria innocua* | Munster cheese | 4.0 | 9 | 0.00 | - | 7934 | 3.48 | + | +HA | +MA | +HA | | | | | |
| 6 | L72 | *Listeria innocua* | Boulette d'Avesnes cheese | 4.3 | 6 | 0.00 | - | 7681 | 3.41 | + | +HA | +MA | +HA | | | | | |
| 7 | L76 | *Listeria innocua* 6b | Minced beef burger | 2.9 | 9 | 0.00 | - | 7737 | 3.39 | + | +MA | +MA | +MA | | | | | |
| 8 | L77 | *Listeria innocua* 6a | Toulouse sausage | 2.5 | 6 | 0.00 | - | 7747 | 3.44 | + | +HA | +HA | +HA | | | | | |
| 9 | L78 | *Listeria innocua* | Rooster | 3.5 | 8 | 0.00 | - | 7657 | 3.40 | + | +HA | +MA | +MA | | | | | |
| 10 | L108 | *Listeria innocua* | Gorgonzola | 3.0 | 8 | 0.00 | - | 7921 | 3.47 | + | +HA | +HA | +HA | | | | | |
| 11 | L110 | *Listeria innocua* | Époisses cheese | 4.0 | 5 | 0.00 | - | 7532 | 3.23 | + | +HA | +HA | +HA | | | | | |
| 12 | L113 | *Listeria innocua* | Smoked halibut | 6.6 | 4 | 0.00 | - | 7857 | 3.37 | + | +HA | +HA | +HA | | | | | |
| 13 | L80 | *Listeria ivanovii* | ATCC Collection | 21.0 | -3 | 0.00 | - | 101461 | 4.49 | + | +HA | +HA | +HA | | | | | |
| 14 | L133 | *Listeria ivanovii* | Roquefort cheese | 3.5 | 9 | 0.00 | - | 8675 | 3.80 | + | +HA | +MA | +MA | | | | | |
| 15 | L151 | *Listeria ivanovii* | Minced beef burger | 2.9 | 4 | 0.00 | - | 9565 | 4.19 | + | +HA | +MA | +HA | | | | | |
| 16 | L153 | *Listeria ivanovii* | Environmental sample | 4.0 | 6 | 0.00 | - | 8672 | 3.80 | + | +HA | +MA | +HA | | | | | |
| 17 | L86 | *Listeria welshimeri* 6b | ATCC 35897 Collection | 5.0 | 2 | 0.00 | - | 10712 | 4.70 | + | +HA | +MA | +MA | | | | | |
| 18 | L87 | *Listeria welshimeri* | Minced beef burger | 6.5 | 13 | 0.00 | - | 7050 | 3.09 | + | +HA | +MA | +HA | | | | | |
| 19 | L89 | *Listeria welshimeri* 6a | Minced beef burger | 7.4 | 5 | 0.00 | - | 7511 | 3.22 | + | +HA | +HA | +HA | | | | | |
| 20 | L91 | *Listeria welshimeri* | Rosette dried sausage | 5.0 | 8 | 0.00 | - | 8180 | 3.58 | + | +HA | +MA | +MA | | | | | |
| 21 | L100 | *Listeria welshimeri* | Spread | 10.0 | 6 | 0.00 | - | 8452 | 3.63 | + | +HA | +HA | +HA | | | | | |
| 22 | L101 | *Listeria welshimeri* | Traditional ham | 6.6 | 5 | 0.00 | - | 7439 | 3.19 | + | +HA | +HA | +HA | | | | | |
| 23 | L83 | *Listeria seeligeri* 1/2b | Jellied pork tongue | 4.4 | 7 | 0.00 | - | 7811 | 3.42 | + | +HA | +MA | +HA | | | | | |
| 24 | L84 | *Listeria seeligeri* | Minced beef burger | 2.6 | 8 | 0.00 | - | 7720 | 3.38 | + | +MA | +MA | +HA | | | | | |
| 25 | L85 | *Listeria seeligeri* | Collection | 1.5 | 7 | 0.00 | - | 8195 | 3.59 | + | +HA | +HA | +HA | | | | | |
| 26 | L115 | *Listeria seeligeri* | Dirty water | 5.0 | 7 | 0.00 | - | 8163 | 3.58 | + | +HA | +MA | +MA | | | | | |
| 27 | L142 | *Listeria seeligeri* | Cheese made with raw milk (Vinage) | 2.5 | 6 | 0.00 | - | 7696 | 3.37 | + | Ø | +LA | +LA | | | | | |
| 28 | L81 | *Listeria grayi* | ATCC 19120 Collection | 8.0 | -4 | 0.00 | - | 7129 | 3.17 | + | +HA | +LA | +LA | | | | | |
| 29 | L146 | *Listeria grayi* | ATCC 25401 Collection | 2.7 | 14 | 0.00 | - | 75 | 0.03 | - | Ø | Ø | Ø | Ø | Ø | Ø | Ø | |
| | | | | 6.0 | -5 | 0.00 | - | 25 | 0.01 | - | Ø | Ø | Ø | Ø | Ø | Ø | Ø | |
| | | | | $1.0x10^5$ | 6 | 0.00 | - | 7400 | 3.18 | + | +HA | +HA | +HA | +LA | +LA | +HA | +HA | +MA |
| 30 | L147 | *Listeria grayi* | CIP 103213 Collection | 6.0 | -6 | 0.00 | - | 21 | 0.00 | - | Ø | Ø | Ø | Ø | Ø | Ø | Ø | |
| | | | | $1.0x10^5$ | 5 | 0.00 | - | 7637 | 3.28 | + | +HA | +HA | +HA | Ø | +MA | +HA | +HA | +LA |

**Exclusivity - Non-target strains**

| # | Reference | Strain | Origin | Inoculation rate in 225 ml of nutrient broth ( CFU) | RFV LMO | VT | LMO test results | RFV LIS | VT | LIS test results |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BA5 | *Bacillus sphaericus* | Meat product | $6.7x10^5$ | -4 | 0.00 | - | 26 | 0.01 | - |
| 2 | BA2 | *Bacillus cereus* | Beetroot | $7.2x10^5$ | -5 | 0.00 | - | 39 | 0.01 | - |
| 3 | BA4 | *Bacillus stearothermophilus* | Dairy product | $2.4x10^5$ | -5 | 0.00 | - | 29 | 0.01 | - |
| 4 | BA7 | *Bacillus coagulans* | Collection | $2.4x10^5$ | -5 | 0.00 | - | 35 | 0.01 | - |
| 5 | 15 | *Brochotrix thermosphacta* | Minced meat | $6.0x10^3$ | -4 | 0.00 | - | 26 | 0.01 | - |
| 6 | Le1 | *Rhodotorula rubra* | Pastries | $3.0x10^5$ | -5 | 0.00 | - | 32 | 0.01 | - |
| 7 | Le3 | *Candida albicans* | Collection | $3.0x10^5$ | -7 | 0.00 | - | 25 | 0.01 | - |
| 8 | Le5 | *Saccharomyces cerevisiae* | Coffee extract | $3.0x10^5$ | -4 | 0.00 | - | 22 | 0.00 | - |
| 9 | E1 | *Enterococcus faecalis* | Egg-based product | $4.8x10^5$ | -4 | 0.00 | - | 31 | 0.01 | - |
| 10 | E6 | *Enterococcus faecalis* | ATCC 19433 Collection | $5.4x10^5$ | -3 | 0.00 | - | 24 | 0.01 | - |
| 11 | E2 | *Enterococcus faecium* | ATCC 3286 Collection | $3.0x10^5$ | -6 | 0.00 | - | 28 | 0.01 | - |
| 12 | E7 | *Enterococcus faecium* | CIP 5433 Collection | $2.0x10^5$ | -4 | 0.00 | - | 26 | 0.01 | - |
| 13 | EN18 | *Enterobacter cloacae* | Collection | $2.0x10^5$ | -6 | 0.00 | - | 27 | 0.01 | - |
| 14 | EN63 | *Klebsiella pneumoniae* | Celery | $2.0x10^5$ | -4 | 0.00 | - | 29 | 0.01 | - |
| 15 | EN71 | *Klebsiella oxytoca* | Milk | $2.6x10^5$ | -5 | 0.00 | - | 30 | 0.01 | - |
| 16 | EN49 | *Serratia marcescens* | Raw milk | $3.0x10^5$ | -5 | 0.00 | - | 34 | 0.01 | - |
| 17 | L139 | *Jonesia denitrificans* | Collection | $4.0x10^5$ | -5 | 0.00 | - | 30 | 0.01 | - |
| 18 | Lb1 | *Lactobacillus acidophilus* | Dairy product | $4.0x10^5$ | -2 | 0.00 | - | 26 | 0.01 | - |
| 19 | Lb2 | *Lactobacillus casei* | Dairy product | $6.0x10^4$ | -5 | 0.00 | - | 20 | 0.00 | - |
| 20 | Lb3 | *Lactobacillus plantarum* | Dairy product | $5.0x10^5$ | -5 | 0.00 | - | 24 | 0.01 | - |
| 21 | Lb4 | *Lactobacillus paracasei* | Dairy product | $2.0x10^5$ | -4 | 0.00 | - | 27 | 0.01 | - |
| 22 | M1 | *Micrococcus* spp | Environment | $3.0x10^5$ | -5 | 0.00 | - | 29 | 0.01 | - |
| 23 | PP17 | *Pseudomonas putida* | Mushrooms | $5.6x10^5$ | -4 | 0.00 | - | 26 | 0.01 | - |
| 24 | PP8 | *Pseudomonas putida* | Fish | $6.0x10^5$ | 4 | 0.00 | - | 57 | 0.02 | - |
| 25 | 32 | *Rhodococcus equi* | Meat product | $2.0x10^5$ | -5 | 0.00 | - | 29 | 0.01 | - |
| 26 | E3 | *Streptococcus bovis* | Collection | $3.0x10^5$ | -4 | 0.00 | - | 29 | 0.01 | - |
| 27 | E10 | *Streptococcus bovis* | Collection | $2.5x10^5$ | -5 | 0.00 | - | 22 | 0.00 | - |
| 28 | ST12 | *Staphylococcus hyicus* | Meat product | $6.0x10^5$ | -5 | 0.00 | - | 25 | 0.01 | - |
| 29 | ST3 | *Staphylococcus epidermidis* | Yogurt | $6.0x10^5$ | -5 | 0.00 | - | 26 | 0.01 | - |
| 30 | ST15 | *Staphylococcus epidermidis* | ATCC 12228 Collection | $2.4x10^5$ | -4 | 0.00 | - | 22 | 0.00 | - |
| 31 | ST17 | *Staphylococcus aureus* | Yogurt | $5.8x10^5$ | 8 | 0.00 | - | 42 | 0.01 | - |

# APPENDIX G

# INTERLABORATORY STUDY RESULTS

**Expert laboratory**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | Ø | Ø | Ø | Ø | - | = | -6 | 0.00 | - | 13 | 0.00 | - | / | + | = |
| 2 | Ø | Ø | Ø | Ø | - | = | -5 | 0.00 | - | 17 | 0.00 | - | / | + | = |
| 3 | Ø | Ø | Ø | Ø | - | = | 4 | 0.00 | - | 175 | 0.06 | - | / | - | = |
| 4 | Ø | Ø | Ø | Ø | - | = | -5 | 0.00 | - | 15 | 0.00 | - | / | - | = |
| 13 | Ø | Ø | Ø | Ø | - | = | -6 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 14 | Ø | Ø | Ø | Ø | - | = | -5 | 0.00 | - | 13 | 0.00 | - | / | - | = |
| 15 | Ø | Ø | Ø | Ø | - | = | -4 | 0.00 | - | 13 | 0.00 | - | / | - | = |
| 16 | Ø | Ø | Ø | Ø | - | = | -5 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 5 | +MA | +MA | +MA | +HA | + | = | 6717 | 1.71 | + | / | / | + by default | + | + | = |
| 6 | +LA | +MA | +MA | +HA | + | = | 6711 | 1.71 | + | / | / | + by default | + | + | = |
| 7 | +MA | +MA | +MA | +HA | + | = | 6592 | 1.68 | + | / | / | + by default | + | + | = |
| 8 | +LA | +LA | +HA | +HA | + | = | -6 | 0.00 | - | 15 | 0.00 | - | Ø | - | # |
| 17 | +LA | +MA | +MA | +HA | + | = | 6915 | 1.76 | + | / | / | + by default | + | + | = |
| 18 | +LA | +LA | +MA | +HA | + | = | 6696 | 1.70 | + | / | / | + by default | + | + | = |
| 19 | +LA | +MA | +MA | +HA | + | = | 7093 | 1.80 | + | / | / | + by default | + | + | = |
| 20 | +MA | +MA | +MA | +HA | + | = | 6811 | 1.73 | + | / | / | + by default | + | + | = |
| 9 | +MA | +HA | +MA | +HA | + | = | 7818 | 1.99 | + | / | / | + by default | + | + | = |
| 10 | +HA | +HA | +HA | +HA | + | = | 7714 | 1.96 | + | / | / | + by default | + | + | = |
| 11 | +MA | +HA | +MA | +HA | + | = | 7818 | 1.99 | + | / | / | + by default | + | + | = |
| 12 | +MA | +HA | +MA | +HA | + | = | 7731 | 1.97 | + | / | / | + by default | + | + | = |
| 21 | +MA | +HA | +HA | +HA | + | = | 7722 | 1.96 | + | / | / | + by default | + | + | = |
| 22 | +MA | +HA | +MA | +HA | + | = | 7557 | 1.92 | + | / | / | + by default | + | + | = |
| 23 | +MA | +HA | +MA | +HA | + | = | 7465 | 1.90 | + | / | / | + by default | + | + | = |
| 24 | +MA | +HA | +MA | +HA | + | = | 7646 | 1.94 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory A**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | RLM | OAA | RLM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -2 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -3 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -2 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -2 | 0.00 | - | 14 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -4 | 0.00 | - | 14 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -2 | 0.00 | - | 13 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 10136 | 2.34 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 12508 | 2.89 | + | / | / | + by default | + | + | = |
| 7 | - | - | - | - | - | # | 12157 | 2.81 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 12497 | 2.89 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 12347 | 2.85 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 11725 | 2.71 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 11484 | 2.65 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 11373 | 2.63 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 12732 | 2.94 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 12654 | 2.92 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 12909 | 2.98 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 11839 | 2.73 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 11119 | 2.57 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 11393 | 2.63 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 11432 | 2.64 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 7574 | 1.93 | + | / | / | + by default | + | + | = |
| Total viable count: 1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory B**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -4 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -4 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -4 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 8276 | 1.92 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 8289 | 1.91 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 7693 | 1.79 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 7596 | 1.76 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 7773 | 1.83 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 7719 | 1.81 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 8315 | 1.95 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8391 | 1.97 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 7410 | 1.72 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 7821 | 1.81 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 7687 | 1.78 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 7849 | 1.82 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8241 | 1.94 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 7982 | 1.88 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 8124 | 1.91 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 8334 | 1.96 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory C**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | 2 | 0.00 | - | 24 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | 1 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 14 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 8071 | 1.99 | + | / | / | + by default | + | + | = |
| 6 | - | - | - | - | - | # | 8154 | 2.01 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 8472 | 2.09 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 8266 | 2.04 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 7780 | 1.92 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 7699 | 1.90 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 7640 | 1.88 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 7508 | 1.85 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 8562 | 2.11 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 8066 | 1.99 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 8142 | 2.01 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 7966 | 1.97 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 7398 | 1.82 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 7549 | 1.86 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 7565 | 1.87 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 7674 | 1.89 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory E**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -4 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -2 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -2 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 9815 | 2.25 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 9383 | 2.15 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | -1 | 0.00 | - | 9 | 0.00 | - | - | - | # |
| 8 | + | + | + | + | + | = | 11134 | 2.55 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 9420 | 2.15 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 9306 | 2.13 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 8992 | 2.15 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8880 | 2.12 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 11894 | 2.72 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 11431 | 2.62 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 11657 | 2.67 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 10679 | 2.44 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 9175 | 2.19 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 9046 | 2.16 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 9124 | 2.18 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 8322 | 1.99 | + | / | / | + by default | + | + | = |
| Total viable count: nr | | | | | | | | | | | | | | | |

**Laboratory F**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -4 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -1 | 0.00 | - | 14 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -4 | 0.00 | - | 22 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -3 | 0.00 | - | 14 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 14 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | 0 | 0.00 | - | 308 | 0.10 | + | Ø | - | = |
| 5 | + | + | + | + | + | = | 8204 | 1.75 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 7481 | 1.60 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 7861 | 1.68 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 7959 | 1.70 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 7773 | 1.83 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 7719 | 1.81 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 8315 | 1.95 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8391 | 1.97 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 8143 | 1.74 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 8037 | 1.72 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 8031 | 1.71 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 7265 | 1.55 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8241 | 1.94 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 7982 | 1.88 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 8124 | 1.91 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 8334 | 1.96 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory G**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -1 | 0.00 | - | 13 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -2 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -4 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | 0 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 8887 | 2.53 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 8992 | 2.56 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 8574 | 2.44 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 8458 | 2.40 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 8795 | 2.50 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 9070 | 2.58 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 8497 | 2.42 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8498 | 2.42 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 8385 | 2.38 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 8758 | 2.49 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 8718 | 2.48 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 8606 | 2.45 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8714 | 2.48 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 9183 | 2.61 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 8919 | 2.54 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 8918 | 2.54 | + | / | / | + by default | + | + | = |
| Total viable count: 1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory H**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -1 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | 0 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -2 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 7 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -3 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -2 | 0.00 | - | 13 | 0.00 | - | / | - | = |
| 17 | + | + | + | + | + | = | 10147 | 2.32 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | -2 | 0.00 | - | 12 | 0.00 | - | / | - | # |
| 19 | + | + | + | + | + | = | 9547 | 2.18 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 10058 | 2.30 | + | / | / | + by default | + | + | = |
| 5 | + | + | + | + | + | = | 10996 | 2.51 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 11002 | 2.51 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 9339 | 2.13 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 9681 | 2.21 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 9850 | 2.25 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 10040 | 2.29 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 9974 | 2.28 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 10149 | 2.32 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 10175 | 2.32 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 10154 | 2.32 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 10274 | 2.34 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 10118 | 2.31 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory J**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -2 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -3 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -2 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -2 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -4 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 9012 | 2.01 | + | / | / | + by default | + | + | = |
| 6 | - | - | - | - | - | # | 9041 | 2.01 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 9113 | 2.03 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 9002 | 2.00 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 9874 | 2.20 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 8744 | 1.95 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 8727 | 1.94 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8754 | 1.95 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 9091 | 2.02 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 9145 | 2.04 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 9248 | 2.06 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 8852 | 1.97 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8565 | 1.91 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 8638 | 1.92 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 8268 | 1.84 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 7690 | 1.71 | + | / | / | + by default | + | + | = |
| Total viable count: 1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory K**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -2 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -2 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 8079 | 1.74 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 7598 | 1.63 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 8112 | 1.74 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 7850 | 1.69 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 8497 | 1.83 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 7042 | 1.51 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 6953 | 1.49 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 7117 | 1.53 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 8247 | 1.77 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 7569 | 1.63 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 7594 | 1.63 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 7933 | 1.70 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 7495 | 1.61 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 7515 | 1.61 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 7379 | 1.58 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 7445 | 1.60 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory L**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM & RLM | OAA | PALCAM & RLM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -2 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -3 | 0.00 | - | 6 | 0.00 | - | / | - | = |
| 5 | - | - | - | - | - | # | 10092 | 2.65 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 10020 | 2.63 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 9490 | 2.49 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 9607 | 2.53 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 9776 | 2.57 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 9862 | 2.59 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 9447 | 2.48 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 9631 | 2.53 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 9236 | 2.43 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 9798 | 2.58 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 9459 | 2.49 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 9481 | 2.49 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 9459 | 2.49 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 9642 | 2.53 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 9497 | 2.50 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 9546 | 2.51 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory M**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -4 | 0.00 | - | 6 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -4 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -4 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 6 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -3 | 0.00 | - | 5 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -4 | 0.00 | - | 6 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -3 | 0.00 | - | 6 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 7756 | 1.89 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 7814 | 1.90 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 8982 | 2.18 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 8770 | 2.13 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | -2 | 0.00 | - | 7 | 0.00 | - | - | - | # |
| 18 | + | + | + | + | + | = | 8847 | 2.15 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 6154 | 1.50 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8640 | 2.10 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 9001 | 2.19 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 8903 | 2.17 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 8904 | 2.17 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 8624 | 2.10 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8621 | 2.10 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 8586 | 2.09 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 8223 | 2.00 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 8201 | 1.99 | + | / | / | + by default | + | + | = |
| Total viable count: 20 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory N**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -3 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -4 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 9584 | 2.55 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 9837 | 2.62 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 10295 | 2.74 | + | / | / | + by default | + | + | = |
| 8 | - | - | - | - | - | # | 10545 | 2.81 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 9559 | 2.54 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 9649 | 2.57 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 10255 | 2.73 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 10421 | 2.77 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 10380 | 2.77 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 10409 | 2.77 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 10546 | 2.81 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 10622 | 2.83 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 10365 | 2.76 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 10321 | 2.75 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 10266 | 2.79 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 10456 | 2.78 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory O**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -1 | 0.00 | - | 6 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -3 | 0.00 | - | 7 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | 0 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -2 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | 0 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -2 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 5 | - | - | + | + | + | = | 8764 | 2.15 | + | / | / | + by default | + | + | = |
| 6 | - | + | + | + | + | = | 8837 | 2.17 | + | / | / | + by default | + | + | = |
| 7 | + | - | + | + | + | = | 8993 | 2.21 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 9164 | 2.25 | + | / | / | + by default | + | + | = |
| 17 | - | + | + | + | + | = | -3 | 0.00 | - | 25 | 0.00 | - | / | - | # |
| 18 | - | + | + | + | + | = | 8130 | 2.00 | + | / | / | + by default | + | + | = |
| 19 | - | - | + | + | + | = | 8281 | 2.03 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8485 | 2.08 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 9181 | 2.25 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 9446 | 2.32 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 9350 | 2.30 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 8488 | 2.08 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8136 | 2.00 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 8356 | 2.05 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 8476 | 2.08 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 7969 | 1.96 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory P**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -3 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -4 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | 0 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -4 | 0.00 | - | 12 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -3 | 0.00 | - | 16 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -4 | 0.00 | - | 10 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -2 | 0.00 | - | 11 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -3 | 0.00 | - | 17 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 9461 | 2.30 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 9549 | 2.32 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 10024 | 2.43 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 9990 | 2.43 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 9421 | 2.29 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 9328 | 2.26 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 9481 | 2.30 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 9562 | 2.32 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 9347 | 2.27 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 9347 | 2.27 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 9256 | 2.25 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 9588 | 2.33 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 9500 | 2.31 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 9769 | 2.37 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 9344 | 2.27 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 9560 | 2.32 | + | / | / | + by default | + | + | = |
| Total viable count: <1 CFU/ml | | | | | | | | | | | | | | | |

**Laboratory Q**

| Reference | Reference method | | | | | Comparison / expected results | VIDAS *Listeria* Duo alternative method | | | | | | | | Comparison / expected results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half-Fraser | | Fraser | | Result | | DLMO test | | Test results | DLIS test | | Test results | Confirmation | Result | |
| | OAA | PALCAM | OAA | PALCAM | | | RFV | VT | | RFV | VT | | | | |
| 1 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 2 | - | - | - | - | - | = | -5 | 0.00 | - | 7 | 0.00 | - | / | - | = |
| 3 | - | - | - | - | - | = | -3 | 0.00 | - | 9 | 0.00 | - | / | - | = |
| 4 | - | - | - | - | - | = | -3 | 0.00 | - | 8 | 0.00 | - | / | - | = |
| 13 | - | - | - | - | - | = | -2 | 0.00 | - | 7 | 0.00 | - | / | - | = |
| 14 | - | - | - | - | - | = | -4 | 0.00 | - | 7 | 0.00 | - | / | - | = |
| 15 | - | - | - | - | - | = | -4 | 0.00 | - | 7 | 0.00 | - | / | - | = |
| 16 | - | - | - | - | - | = | -4 | 0.00 | - | 5 | 0.00 | - | / | - | = |
| 5 | + | + | + | + | + | = | 8800 | 2.09 | + | / | / | + by default | + | + | = |
| 6 | + | + | + | + | + | = | 8493 | 2.02 | + | / | / | + by default | + | + | = |
| 7 | + | + | + | + | + | = | 8655 | 2.05 | + | / | / | + by default | + | + | = |
| 8 | + | + | + | + | + | = | 8703 | 2.07 | + | / | / | + by default | + | + | = |
| 17 | + | + | + | + | + | = | 8141 | 1.93 | + | / | / | + by default | + | + | = |
| 18 | + | + | + | + | + | = | 8255 | 1.96 | + | / | / | + by default | + | + | = |
| 19 | + | + | + | + | + | = | 8371 | 1.99 | + | / | / | + by default | + | + | = |
| 20 | + | + | + | + | + | = | 8306 | 1.97 | + | / | / | + by default | + | + | = |
| 9 | + | + | + | + | + | = | 8830 | 2.10 | + | / | / | + by default | + | + | = |
| 10 | + | + | + | + | + | = | 8677 | 2.06 | + | / | / | + by default | + | + | = |
| 11 | + | + | + | + | + | = | 8558 | 2.03 | + | / | / | + by default | + | + | = |
| 12 | + | + | + | + | + | = | 8290 | 1.97 | + | / | / | + by default | + | + | = |
| 21 | + | + | + | + | + | = | 8371 | 1.99 | + | / | / | + by default | + | + | = |
| 22 | + | + | + | + | + | = | 8062 | 1.91 | + | / | / | + by default | + | + | = |
| 23 | + | + | + | + | + | = | 9013 | 1.90 | + | / | / | + by default | + | + | = |
| 24 | + | + | + | + | + | = | 9526 | 2.26 | + | / | / | + by default | + | + | = |
| Total viable count: <10 CFU/ml | | | | | | | | | | | | | | | |