

**NF VALIDATION**  
**Validation of alternative analytical methods**  
*Application in food microbiology*

**Summary report**  
**Validation study according to the EN ISO 16140-2:2016**

**VIDAS Salmonella method (Single selective enrichment)**  
(Certificate number: **BIO 12/10 - 09/02**)  
for the detection of *Salmonella*  
in a broad range of food and pet food

**Qualitative method**








|                           |   |
|---------------------------|---|
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This report consists of 80 pages, including 7 appendices.  
Only copies including the totality of this report are authorised.

Competencies of the laboratory are certified by *COFRAC* accreditation for the analyses marked with the symbol .

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Quality Assurance documents related to this study can be consulted upon request from **bioMérieux**.

The technical protocol and the result interpretation were carried out according to the EN ISO 16140-2:2016 and the AFNOR technical rules (PR Revision 7).

|                                     |  |
|-------------------------------------|--|
| <b>Validation protocols</b>         | <ul style="list-style-type: none"> <li>▪ ISO 16140-1 (2016): Microbiology of the food chain - Method validation — <i>Part 1: Vocabulary</i></li> <li>▪ ISO 16140-2 (2016): Microbiology of the food chain - Method validation — <i>Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method</i></li> <li>▪ AFNOR technical rules (PR Revision 7)</li> </ul>   |
| <b>Reference method<sup>♦</sup></b> | <ul style="list-style-type: none"> <li>▪ ISO 6579-1 (February 2017) - Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> spp. - Part 1: detection of <i>Salmonella</i> spp</li> <li>▪ ISO 6579-1/A1 (March 2020): Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> spp. - Part 1: detection of <i>Salmonella</i> spp. Amendment 1: Broader range of incubation temperatures, amendment to the status of Annex D, and correction of the composition of MSRV and SC</li> </ul> |
| <b>Alternative methods</b>          | <b>VIDAS Salmonella - Single selective enrichment</b>  |
| <b>Scope</b>                        | <input checked="" type="checkbox"/> <b>Broad range of food</b><br><input checked="" type="checkbox"/> <b>Pet food</b>  |
| <b>Certification organism</b>       | AFNOR Certification ( <a href="http://nf-validation.afnor.org/">http://nf-validation.afnor.org/</a> )  |

<sup>♦</sup> Analyses performed according to the COFRAC accreditation

# 1 INTRODUCTION

The initial validation was obtained in September 2002 (certificate number BIO 12/10 - 09/02) for all food products and pet foods. The reference method used was the NF ISO 6579 (2002). The study was carried out by IPL.

The different validation studies are listed below:

| <i>Date</i>           | <i>Study</i>   | <i>ISO method</i>                          | <i>Validation standard</i> |
|-----------------------|--|--|----------------------------|
| <i>September 2002</i> | Initial validation<br><i>Study run by IPL</i>  | ISO 6579 (2002)                            | /                          |
| <i>September 2006</i> | Renewal study<br>- Method comparison study completed<br>- Inter-laboratory study<br><i>Study run by IPL</i>                                | ISO 6579 (2002)                            | ISO 16140 (2003)           |
| <i>May 2010</i>       | Renewal study<br><i>Study run by IPL</i>   | ISO 6579 (2003)                            | ISO 16140 (2003)           |
| <i>May 2014</i>       | Renewal study<br><i>Study run by ADRIA Développement</i>   | ISO 6579 (2003)                            | ISO 16140 (2003)           |
| <i>May 2018</i>       | Renewal study<br>Extension study for cocoa and chocolates, and milk powders (375 g sample size)<br><i>Study run by ADRIA Développement</i> | ISO 6579-1                                 | ISO 16140-2 (2016)         |
| <i>June 2022</i>      | Renewal study<br><i>Study run by ADRIA Développement</i>   | ISO 6579-1 (2017)<br>ISO 6579-1 /A1 (2020) | ISO 16140-2 (2016)         |

## 2 METHOD PROTOCOLS

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### 2.1 Alternative method

The flow diagram of the alternative method is provided in **Appendix 1**.

#### 2.1.1 Principle

The VIDAS<sup>®</sup> *Salmonella* (SLM) assay is an enzyme- immunoassay, for use on the automated VIDAS<sup>®</sup> instruments (see the Operator's Manual) for the detection of *Salmonella* antigens using the ELFA technique (Enzyme Linked Fluorescent Assay).

Each test is composed of two parts:

- the Solid Phase Receptacle (SPR<sup>®</sup>) serves as the solid phase as well as the pipetting device. The SPR<sup>®</sup> is coated with anti- *Salmonella* antibodies adsorbed onto its surface.
- the strip which contains all the ready-to-use for the assay: pre-wash solution, wash buffer, antibodies anti- *Salmonella* conjugate with alkaline phosphatase and substrate.

All the assay steps are performed automatically by the instrument. The reaction medium is cycled in and out of the SPR<sup>®</sup> several times.

Part of the enrichment broth is dispensed into the reagent strip. The antigens present will bind to the anti- *Salmonella* antibodies coating the SPR<sup>®</sup>.

Unbound sample components are eliminated during the washing steps. Antibodies conjugated with alkaline phosphatase are cycled in and out of the SPR<sup>®</sup> and will bind to any *Salmonella* antigens which are themselves bound to the antibodies on the SPR<sup>®</sup> wall. A final wash step removes unbound conjugate.

During the final detection step, the substrate (4-Methyl-umbelliferyl phosphate) is cycled in and out of the SPR<sup>®</sup>. The conjugate enzyme catalyzes the hydrolysis of this substrate into a fluorescent product (4-Methyl-umbelliferone), the fluorescence of which is measured at 450 nm.

At the end of the assay, the results are automatically analyzed by the instrument which calculates a test value for each sample. This value is compared to internal references (thresholds) and each result is interpreted

(positive, negative). The RFV (Relative Fluorescence Value) is calculated by subtracting the background reading from the final result. The RFV obtained for each sample is interpreted by the VIDAS® system as follows:

Test value (TV) = sample RFV / standard RFV.

If TV < 0.23,      Test is negative

and

If TV ≥ 0.23,      Test is positive

### 2.1.2 Protocol

The method consists of:

- A pre-enrichment step: x g (or x ml) sample in 9 x ml of BPW according to ISO 6887 parts, incubated for 16 to 20 h at 34-38°C,
- An enrichment step: transfer 0.1 ml pre-enrichment into 10 ml of RVS, incubated 6 to 8 hours at 41.5°C ± 1.0°C
- A post-enrichment step: inoculation of 1 ml RVS broth into 10 ml M broth, incubated 16 to 20 hours at 41.5°C ± 1.0°C.

After incubation, homogenize the M Broth and transfer:

- 1 ml of M broth in a tube and heat for 15 min ± 1 min at 95°C – 100°C if a water bath is used. Cool the tube.
- 0.5 ml of M broth into the sample well of the VIDAS strip and heat for 15 min ± 1 min if the VIDAS Heat & Go is used. Then, remove the strip and leave to cool for at least 10 min.

VIDAS SLM test is then performed on the cooled boiled M broth. Store the M and RVS broths at 2 - 8°C if confirmation is required or prolong incubation of the RVS broth at 41.5°C for a total of 16 - 20 hours.

Positive results with VIDAS SLM tests have to be confirmed by streaking the RVS broth (stored at 2-8°C or incubated for 16 - 20 hours) on *Salmonella* selective medium and by applying the tests described in the standardized methods by the CEN, ISO or AFNOR (including the purification step) on the characteristic colonies.

### 2.1.3 Restriction

There is no restriction.

## 2.2 Reference method♦

For all the cheeses and low moisture products tested for the renewal study, an incubation time of 48 h was applied for RVS and MKTTn selective enrichment step.

The reference method used for the renewal and extension study corresponds to the ISO 6579-1 (February 2017) - Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of *Salmonella* spp. - Part 1: detection of *Salmonella* spp.

For this renewal study, the ISO 6579-1/A1 (March 2020) was also taken into consideration: Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of *Salmonella* spp. - Part 1: detection of *Salmonella* spp. Amendment 1: Broader range of incubation temperatures, amendment to the status of Annex D, and correction of the composition of MSRV and SC (See **Appendix 2**).

For all the cheeses and low moisture products tested for the renewal study performed in 2018, an incubation time of 48 h was applied for RVS and MKTTn selective enrichment step.

When big sample size (375 g) was tested for the alternative methods, the same sampling was applied for the reference method.

*Note: For cocoa and chocolates category, Brilliant Green was not added in the enrichment broth as the tested matrices did not contain high background microflora.*

## 2.3 Study design

The study is a **paired study design** as the reference and the alternative methods have the same enrichment procedure.

### 3 INITIAL VALIDATION STUDY AND RENEWAL/EXTENSION STUDIES: RESULTS

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#### 3.1 Method comparison study

*The method comparison study is a study performed by the expert laboratory to compare the alternative method with the reference method.*

*The study was carried out on a diversity of samples and strains representative of agri-food products. This does not constitute an exhaustive list of the different matrices included in the scope.*

*For any comment on the alternative method, please contact AFNOR Certification at <http://nf-validation.afnor.org/contact-2/>.*

##### 3.1.1 Sensitivity study

*The sensitivity (SE) is the ability of the method to detect the analyte by either the reference or alternative method.*

###### 3.1.1.1 Number and nature of samples

**511 samples** were analysed (189 in 2002, 136 in 2006 and 186 in 2017 and 2018) providing 246 positive and 265 negative results). The distribution per tested category and type is given in Table 1.



Table 1 – Distribution per tested category and type

| Category              |                            | Type  | Positive samples                      | Negative samples | Total      |    |
|-----------------------|----------------------------|-------|---------------------------------------|------------------|------------|----|
| 1                     | Meat products              | a     | Raw meats                             | 16               | 16         | 32 |
|                       |                            | b     | Poultry                               | 10               | 10         | 20 |
|                       |                            | c     | Delicatessen                          | 8                | 12         | 20 |
|                       |                            | Total |                                       | 34               | 38         | 72 |
| 2                     | Dairy products             | a     | Raw milk cheese                       | 12               | 19         | 31 |
|                       |                            | b     | Pasteurized milk cheese and ice cream | 10               | 10         | 20 |
|                       |                            | c     | Milk and milk powders                 | 14               | 14         | 28 |
|                       |                            | Total |                                       | 36               | 43         | 79 |
| 3                     | Seafood and vegetables     | a     | Fish fillets and shellfish            | 11               | 11         | 22 |
|                       |                            | b     | Raw vegetables and spices             | 16               | 22         | 38 |
|                       |                            | c     | Ready-to-eat vegetables               | 11               | 11         | 22 |
|                       |                            | Total |                                       | 38               | 44         | 82 |
| 4                     | Miscellaneous              | a     | Eggs and egg-based products           | 15               | 11         | 26 |
|                       |                            | b     | Pastries and chocolate                | 7                | 26         | 33 |
|                       |                            | c     | Ready-to-eat meals                    | 11               | 9          | 20 |
|                       |                            | Total |                                       | 33               | 46         | 79 |
| 5                     | Pet food                   | a     | Wet pet food                          | 17               | 11         | 28 |
|                       |                            | b     | Flours, pellets                       | 15               | 11         | 26 |
|                       |                            | c     | Meat for pet                          | 8                | 12         | 20 |
|                       |                            | Total |                                       | 40               | 34         | 74 |
| 6                     | Cocoa and chocolate (375g) | a     | Cocoa & chocolate powders             | 16               | 7          | 23 |
|                       |                            | b     | Chocolates                            | 9                | 11         | 20 |
|                       |                            | c     | Raw materials                         | 8                | 12         | 20 |
|                       |                            | Total |                                       | 33               | 30         | 63 |
| 7                     | Milk powders (375g)        | a     | Milk powders                          | 11               | 10         | 21 |
|                       |                            | b     | Infant formula without probiotics     | 11               | 10         | 21 |
|                       |                            | c     | Infant formula with probiotics        | 10               | 10         | 20 |
|                       |                            | Total |                                       | 32               | 30         | 62 |
| <b>All categories</b> |                            |       | <b>246</b>                            | <b>265</b>       | <b>511</b> |    |

### 3.1.1.2 Artificial contamination of samples

The artificial contaminations are presented in **Appendix 3**.

250 samples were artificially contaminated, using 58 different strains. 185 gave a positive result.

The repartition of the positive samples per inoculation protocol and inoculation level is given in Table 2.

**Table 2 - Repartition of the positive samples per inoculation protocol and inoculation level**

|                   | Naturally contaminated | Artificially contaminated |               |            |      | Total  |
|-------------------|------------------------|---------------------------|---------------|------------|------|--------|
|                   |                        | ≤ 3 (spiking)             | ≤ 5 (seeding) | 5 < x < 10 | > 10 |        |
| Number of samples | 61                     | 82                        | 48            | 49         | 6    | 246    |
| %                 | 24,8%                  | 33,3%                     | 19,5%         | 19,9%      | 2,4% | 100,0% |

**24.8 % of the samples were naturally contaminated.**

### 3.1.1.3 Protocols applied during the validation study

#### **Incubation time**

There is no information provided in the reports for the studies performed before 2018 concerning the incubation time. The minimum incubation times were tested for the renewal study carried out in 2018:

- BPW: 16 h
- RVS: 6 h for VIDAS test and 22 h for confirmatory tests;
- M broth: 16 h.

#### **Confirmations**

The confirmations were run by streaking 10 µl of RVS broth onto XLD and ChromID Salmonella (SM2) for the initial validation study. Streaking was done onto ASAP and ChromID Salmonella (SM2) for the renewal study.

### 3.1.1.4 Test results

Raw data per category are given in **Appendix 4**.

The results are given in Table 3.

**Table 3 – Interpretation of sample results between the reference and alternative method (based on the confirmed alternative method results)**

| Category              |                              | PA         | NA*        | PD       | ND**     | PPND     | PPNA     | Total      |
|-----------------------|------------------------------|------------|------------|----------|----------|----------|----------|------------|
| 1                     | Meat products                | 34         | 38         | 0        | 0        | 0        | 0        | 72         |
| 2                     | Dairy products               | 35         | 43         | 0        | 1        | 0        | 0        | 79         |
| 3                     | Seafood and vegetables       | 38         | 44         | 0        | 0        | 0        | 0        | 82         |
| 4                     | Miscellaneous                | 32         | 46         | 0        | 1        | 0        | 0        | 79         |
| 5                     | Pet food                     | 40         | 34         | 0        | 0        | 0        | 0        | 74         |
| 6                     | Cocoa and chocolates (375 g) | 32         | 30         | 0        | 1        | 0        | 0        | 63         |
| 7                     | Milk powders (375 g)         | 31         | 30         | 0        | 1        | 0        | 0        | 62         |
| <b>All categories</b> |                              | <b>242</b> | <b>265</b> | <b>0</b> | <b>4</b> | <b>0</b> | <b>0</b> | <b>511</b> |

\* PPNA not included

\*\* PPND not included

### 3.1.1.5 Calculation of relative trueness (RT), sensitivity (SE) and false positive ratio (FPR)

The calculations are presented in Table 4.

**Table 4 – Calculation of the relative trueness (RT), the sensitivity (SE) and the false positive ratio (FPR)**

| Category              |                            | Type  | PA                                     | NA*        | PD       | ND**     | PPND     | PPNA     | SE <sub>alt</sub> % | SE <sub>ref</sub> % | RT %        | FPR %      |
|-----------------------|----------------------------|-------|--|------------|----------|----------|----------|----------|---------------------|---------------------|-------------|------------|
| 1                     | Meat products              | a     | Raw meats                              | 16         | 16       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | b     | Poultry                                | 10         | 10       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Delicatessen                           | 8          | 12       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | Total |  | 34         | 38       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
| 2                     | Dairy products             | a     | Raw milk cheese                        | 11         | 19       | 0        | 1        | 0        | 91,7                | 100,0               | 96,8        | 0,0        |
|                       |                            | b     | Pasteurized milk cheese and ice cream  | 10         | 10       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Milk and milk powders                  | 14         | 14       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | Total |  | 35         | 43       | 0        | 1        | 0        | 97,2                | 100,0               | 98,7        | 0,0        |
| 3                     | Seafood and vegetables     | a     | Fish fillets and shellfish             | 11         | 11       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | b     | Raw vegetables and spices              | 16         | 22       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Ready-to-eat vegetables                | 11         | 11       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | Total |  | 38         | 44       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
| 4                     | Miscellaneous              | a     | Eggs and egg-based products            | 14         | 11       | 0        | 1        | 0        | 93,3                | 100,0               | 96,2        | 0,0        |
|                       |                            | b     | Pastries and chocolate                 | 7          | 26       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Ready-to-eat and ready to reheat meals | 11         | 9        | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | Total |  | 32         | 46       | 0        | 1        | 0        | 97,0                | 100,0               | 98,7        | 0,0        |
| 5                     | Pet food                   | a     | Wet pet food                           | 17         | 11       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | b     | Flours, pellets                        | 15         | 11       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Meat for pet                           | 8          | 12       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | Total |  | 40         | 34       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
| 6                     | Cocoa and chocolate (375g) | a     | Cocoa & chocolate powders              | 15         | 7        | 0        | 1        | 0        | 93,8                | 100,0               | 95,7        | 0,0        |
|                       |                            | b     | Chocolates                             | 9          | 11       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Raw materials                          | 8          | 12       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | Total |  | 32         | 30       | 0        | 1        | 0        | 97,0                | 100,0               | 98,4        | 0,0        |
| 7                     | Milk powders (375g)        | a     | Milk powders                           | 11         | 10       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | b     | Infant formula without probiotics      | 11         | 10       | 0        | 0        | 0        | 100,0               | 100,0               | 100,0       | 0,0        |
|                       |                            | c     | Infant formula with probiotics         | 9          | 10       | 0        | 1        | 0        | 90,0                | 100,0               | 95,0        | 0,0        |
|                       |                            | Total |  | 31         | 30       | 0        | 1        | 0        | 96,9                | 100,0               | 98,4        | 0,0        |
| <b>All categories</b> |                            |       | <b>242</b>                             | <b>265</b> | <b>0</b> | <b>4</b> | <b>0</b> | <b>0</b> | <b>98,4</b>         | <b>100,0</b>        | <b>99,2</b> | <b>0,0</b> |

\* PPNA not included

\*\* PPND not included

A summary of the results is given in Table 5.

**Table 5 - Summary of results**

|  |  |         |
|--|--|---------|
| <b>Sensitivity for the alternative method</b>                                      | $SE_{alt} = \frac{(PA + PD)}{(PA + ND + PD)} \times 100\%$ | 98.4 %  |
| <b>Sensitivity for the reference method</b>  | $SE_{ref} = \frac{(PA + ND)}{(PA + ND + PD)} \times 100\%$ | 100.0 % |
| <b>Relative trueness</b>   | $RT = \frac{(PA + NA)}{N} \times 100\%$                    | 99.2 %  |
| <b>False positive ratio for the alternative method*</b><br><b>FP = PPNA + PPND</b> | $FPR = \frac{(FP)}{NA} \times 100\%$                       | 0.0 %   |

With  $ND = ND + PPND$   
 $NA = NA + PPNA$

### 3.1.2 Analysis of discordant results

Four negative deviations were observed for this study (See Table 6). They concern 2 artificially contaminated samples and 2 naturally contaminated samples. For 2 samples (A8, 5551), the presence of *Salmonella* spp. was confirmed in RVS broth. For the 2 other samples, the presence of *Salmonella* spp. was detected in MKTTn broth (reference method). The detection limit of the alternative method was probably not reached in this case.

**Table 6 - Negative deviations**

| Sample N° | Product  | Strain inoculated  | Inoculation level (CFU/sample) | Reference method | VIDAS SLM (Single selective enrichment) |           |            |                       |              |           | Category | Type |
|-----------|--|--------------------|--------------------------------|------------------|---|-----------|------------|-----------------------|--------------|-----------|----------|------|
|           |  |                    |                                |                  | RFV                                     | VT        | Test resut | Confirmation          | Final result | Agreement |          |      |
| 2002      | Raw milk cheese  | /                  | /                              | +                |   | 0,04      | -          | - (+ MKTTn)           | -            | ND        | 2        | a    |
| A8        | Liquid egg product   | /                  | /                              | +                | 310                                     | 0,08      | -          | <i>Salmonella</i> spp | -            | ND        | 4        | a    |
| 2609      | <b>Cocoa powder</b>  | S. Infantis Ad1685 | 1,6                            | +                | 117/117                                 | 0,03/0,03 | -/-        | - (+MKTTn)            | -            | ND        | 6        | a    |
| 5551      | <b>Infant formula with probiotics (2,4.10<sup>5</sup> CFU/g)</b> | S. Cerro Ad2707    | 0,8                            | +                | 142/165                                 | 0,04/0,04 | -/-        | <i>Salmonella</i> spp | -            | ND        | 7        | c    |

The analyses of discordant results according to the EN ISO 16140-2:2016 is the following (See Table 7):

**Table 7 - Analyses of discordant results**

| Category              | Type                       | N+                                      | ND**     | PPND     | PD       | Paired study  |          |               |           |   |
|-----------------------|----------------------------|---|----------|----------|----------|---------------|----------|---------------|-----------|---|
|                       |                            |   |          |          |          | (ND+ PPND)-PD | AL       | (ND+ PPND)+PD | AL        |   |
| 1                     | Meat products              | a Raw meats                             | 16       | 0        | 0        | 0             |          | 0             |           |   |
|                       |                            | b Poultry                               | 10       | 0        | 0        | 0             |          | 0             |           |   |
|                       |                            | c Delicatessen                          | 8        | 0        | 0        | 0             |          | 0             |           |   |
|                       |                            | Total                                   | 34       | 0        | 0        | 0             | 0        | 3             | 0         | 6 |
| 2                     | Dairy products             | a Raw milk cheese                       | 12       | 1        | 0        | 0             | 1        |               | 1         |   |
|                       |                            | b Pasteurized milk cheese and ice cream | 10       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | c Milk and milk powders                 | 14       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | Total                                   | 36       | 1        | 0        | 0             | 1        | 3             | 1         | 6 |
| 3                     | Seafood and vegetables     | a Fish fillets and shellfish            | 11       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | b Raw vegetables and spices             | 16       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | c Ready-to-eat vegetables               | 11       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | Total                                   | 38       | 0        | 0        | 0             | 0        | 3             | 0         | 6 |
| 4                     | Miscellaneous              | a Eggs and egg-based products           | 15       | 1        | 0        | 0             | 1        |               | 1         |   |
|                       |                            | b Pastries and chocolate                | 7        | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | c Ready-to-eat meals                    | 11       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | Total                                   | 33       | 1        | 0        | 0             | 1        | 3             | 1         | 6 |
| 5                     | Pet food                   | a Wet pet food                          | 17       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | b Flours, pellets                       | 15       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | c Meat for pet                          | 8        | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | Total                                   | 40       | 0        | 0        | 0             | 0        | 3             | 0         | 6 |
| 6                     | Cocoa and chocolate (375g) | a Cocoa & chocolate powders             | 16       | 1        | 0        | 0             | 1        |               | 1         |   |
|                       |                            | b Chocolates                            | 9        | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | c Raw materials                         | 8        | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | Total                                   | 33       | 1        | 0        | 0             | 1        | 3             | 1         | 6 |
| 7                     | Milk powders (375g)        | a Milk powders                          | 11       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | b Infant formula without probiotics     | 11       | 0        | 0        | 0             | 0        |               | 0         |   |
|                       |                            | c Infant formula with probiotics        | 10       | 1        | 0        | 0             | 1        |               | 1         |   |
|                       |                            | Total                                   | 32       | 1        | 0        | 0             | 1        | 3             | 1         | 6 |
| <b>All categories</b> |                            | <b>246</b>                              | <b>4</b> | <b>0</b> | <b>0</b> | <b>4</b>      | <b>6</b> | <b>4</b>      | <b>18</b> |   |

\*\*PPND not included

**The observed values for ((ND+PPND) – PD) meet the Acceptability Limit for each individual category and for all the combined categories (observed values ≤ AL).**

### 3.1.2.1 Confirmation

The positive samples were confirmed by running a subculture in RVS both prior streaking onto XLD and Chrom ID Salmonella (SM2) for the initial validation study and onto XLD and ASAP for the renewal and extension studies.

All the positive VIDAS tests were confirmed using this procedure. Typical colonies were observed on all the tested plates except in one case (Pork meat sample tested in 2002 by IPL) for which characteristic colonies were observed only on XLD plate.

### 3.1.3 Relative level of detection

The relative level of detection is the level of detection at  $P = 0.50$  ( $LOD_{50}$ ) of the alternative (proprietary) method divided by the level of detection at  $P = 0.50$  ( $LOD_{50}$ ) of the reference method.

The RLOD is defined as the ratio of the alternative and reference methods:

$$RLOD = \frac{LOD_{Alt.}}{LOD_{Ref.}}$$

#### 3.1.3.1 Experimental design

Five (matrix/strain) pairs were tested for the study run in 2006 according to the ISO 16140 (2003) and 2 matrix/strain pairs in 2018 according to the EN ISO 16140-2:2016 (See Table 8).

**Table 8 - Defined (matrix/strain) pairs for the RLOD determination**

| Category                        | Matrix              | Inoculated strain        | Origin             | Storage conditions before analysis                                       |
|---------------------------------|---------------------|--------------------------|--------------------|--|
| 1. Meat products                | Poultry ground meat | S. Hadar                 | Poultry meat       | /  |
| 2. Dairy products               | Raw milk            | S. Typhimurium           | Raw milk<br>cheese | /  |
| 3. Seafood and vegetables       | Fish fillet         | S. Virchow               | Shellfish          | /  |
| 4. Miscellaneous                | Liquid egg product  | S. Enteritidis           | Liquid egg product | /  |
| 5. Feed                         | Pâté for pet        | S. Senftenberg           | Feed               | /  |
| 7. Cocoa and chocolates (375 g) | Dark chocolate      | S. Typhimurium<br>Ad2034 | Cocoa beans        | Spiking protocol<br>Heat treatment                                       |
| 8. Milk powders (375 g)         | Milk powder         | S. Mikawasima<br>Ad1811  | Raw milk           | Seeding protocol<br>Lyophilized strain<br>2 weeks at ambient temperature |



### 3.1.3.2 Calculation and interpretation of the RLOD

The raw data are given in **Appendix 5**. The RLOD calculations were performed using the Excel spreadsheet available at <http://standards.iso.org/iso/16140> - RLOD (clause 5-1-4-2 Calculation and interpretation of RLOD) version 06.07.2015. The RLOD are given in Table 9.

**Table 9 – Presentation of RLOD before and after confirmation of the alternative method results**

| Name  | RLOD         | RLODL        | RLODU        | b=ln(RLOD)   | sd(b)        | z-Test statistic | p-value      |
|---|--------------|--------------|--------------|--------------|--------------|------------------|--------------|
| Ground poultry meat / S. Hadar                        | 1,000        | 0,396        | 2,525        | 0,000        | 0,463        | 0,000            | 1,000        |
| Raw milk / S. Typhimurium                             | 1,710        | 0,463        | 6,315        | 0,536        | 0,653        | 0,821            | 0,412        |
| Fish fillet / S. Virchow                              | 1,000        | 0,435        | 2,298        | 0,000        | 0,416        | 0,000            | 1,000        |
| Liquid egg product / S. Enteritidis                   | 1,000        | 0,364        | 2,744        | 0,000        | 0,505        | 0,000            | 1,000        |
| Pâté for pet / S. Senftenberg                         | 1,000        | 0,316        | 3,163        | 0,000        | 0,576        | 0,000            | 1,000        |
| Dark chocolate / S. Typhimurium Ad2034                | 1,000        | 0,421        | 2,376        | 0,000        | 0,433        | 0,000            | 1,000        |
| Infant formula with ptobiotics / S. Mikawasima Ad1811 | 1,000        | 0,523        | 1,912        | 0,000        | 0,324        | 0,000            | 1,000        |
| <b>Combined</b>                                       | <b>1,034</b> | <b>0,753</b> | <b>1,419</b> | <b>0,033</b> | <b>0,159</b> | <b>0,208</b>     | <b>0,835</b> |

For raw milk tested according to the design described in the ISO 16140 (2003), the RLOD value is just above the AL (RLOD = 1.700). Note that for this matrix, the aerobic mesophilic flora was very high and unusual ( $9.0 \cdot 10^6$  CFU/g). The following results were observed:

- Reference method: 0/6 - 1/6 - 5/6 - 6/6
- Alternative method: 0/6 - 1/6 - 3/6 - 6/6

Only 2 additional positive samples were obtained with the reference method at one level. For all the other levels, there is perfect match between the reference and the alternative method.

In the sensitivity study, 6 positive raw milk samples were tested: 2 naturally and 4 artificially contaminated samples; the same results were obtained by the reference and the alternative method.

The LOD<sub>50</sub> % calculations according to Wilrich & Wilrich POD-LOD calculation program - version 10, 2021-03-02 test are given in Table 10.

Table 10 - LOD<sub>50</sub> results

| Category                | (Strain / matrix) pair                                   | Level of detection at 50% (CFU / sample size) according to Wilrich & Wilrich <sup>1</sup> |                       |
|-------------------------|--|---|-----------------------|
|                         |  | Reference method  | Alternative method    |
| 1                       | Ground poultry meat / S. Hadar                           | 0.4 [0.2;0.8]   | 0.4 [0.2;0.8]         |
| 2                       | Raw milk / S. Typhimurium                                | 0.6 [0.3;1.1]   | 0.9 [0.4;1.7]         |
| 3                       | Fish fillet / S. Virchow                                 | 0.3 [0.2;0.5]   | 0.3 [0.2;0.5]         |
| 4                       | Liquid egg product / S. Enteritidis                      | 0.7 [0.3;1.3]   | 0.7 [0.3;1.3]         |
| 5                       | Pâté for pet / S. Senftenberg                            | 0.7 [0.4;1.3]   | 0.7 [0.4;1.3]         |
| 6                       | Dark chocolate /<br>S. Typhimurium Ad2034                | 1.2 [0.6;2.3]   | 1.2 [0.6;2.3]         |
| 7                       | Infant formula with ptobiotics /<br>S. Mikawasima Ad1811 | 1.0 [0.6;1.6]   | 1.0 [0.6;1.6]         |
| <b>Combined results</b> |  | <b>0.7 [0.5 ;0.8]</b>   | <b>0.7 [0.6 ;0.9]</b> |

### 3.1.3.3 Conclusion

**The Relative Levels of Detection (RLOD) meet the Acceptability Limits (observed values  $\leq$  AL) for all combined categories and each matrix/strain pair, except for raw milk for which the RLOD is just above the AL (RLOD = 1.700).**

**Taking into account all these arguments, the RLOD can be considered acceptable and was approved by the AFNOR Certification technical board.**

**The LOD<sub>50</sub> varies from 0.3 to 1.2 CFU/test portion for the reference method and the alternative method.**

<sup>1</sup> Wilrich, C., and P.-Th. Wilrich: Estimation of the POD function and the LOD of a qualitative microbiological measurement method. AOAC International **92** (2009) 1763 - 1772.

### 3.1.4 Inclusivity / exclusivity

The inclusivity is the ability of the alternative method to detect the target analyte from a wide range of strains. The exclusivity is the lack of interference from a relevant range of non-target strains of the alternative method.

The inclusivity and the exclusivity of the alternative method are defined by analysis, respectively, of 50 positive strains and 30 negative strains. The study was performed in 2006. Additional tests were performed on 11 target strains in 2010 for the renewal study.

In order to be in agreement with the AFNOR technical rules, the following strains were also tested in 2014:

- *Salmonella* Typhimurium SI 1,4,[5],12:-:- (non-motile variant) Ad 1333
- *Salmonella* Typhimurium SI 1,4,[5],12:i:- (monophasic variant) Ad 1334
- *Salmonella* Typhimurium SI 1,4,[5],12:-:1,2 (monophasic variant) Ad 1335

For the renewal study, 37 *Salmonella* strains were tested in order to be in agreement with the ISO 16140-2:2016.

#### 3.1.4.1 Test protocols

##### Inclusivity

*Salmonella* strains were grown in Buffered Peptone Water (BPW). Dilutions were done in order to inoculate around 10 cells/225 ml BPW. The enrichment step was performed at 37°C and enrichment protocol (inoculation in RVS then post-enrichment in M broth) was realized before performing VIDAS SLM test.

##### Exclusivity

The different negative strains were cultured in non-selective broth. Dilutions were realised in order to inoculate 10<sup>5</sup> cells/ml before performing the VIDAS SLM test.

### 3.1.4.2 Results

Raw data are given in **Appendix 6**.

#### Inclusivity

The 102 *Salmonella* strains tested were detected using the VIDAS SLM test.

#### Exclusivity

Among the 30 non-target strains tested, cross reactions were observed with three strains of *Citrobacter* (*Citrobacter diversus* and *Citrobacter freundii*). These strains were tested again with the complete protocol of the alternative method and the reference method. Two of them still gave positive VIDAS test (*Citrobacter diversus* CIT30 and EN52) while negative results were observed with the reference method protocol. The three strains were confirmed as negative after streaking on RVS or SMID2.

**The VIDAS *Salmonella* method (Single selective enrichment) is specific and selective.**

### 3.1.5 Practicability

The alternative method practicability was evaluated according to the AFNOR criteria relative to method comparison study.

|   |   |  |  |
|---|---|--|--|
| <b>Storage conditions, shelf-life and modalities of utilisation after first use</b> | <p>The storage temperature of the VIDAS SLM kit is at 2°C - 8°C.<br/>         Store all unused reagent at 2°C - 8°C.<br/>         The kit expiry date is shown on the box label and on the different vials.<br/>         The kit components should be stored between +2°C and +8°C. If stored according to the recommended conditions (pouch correctly resealed with desiccant after use...), all components are stable until the expiration date indicated on the label.</p> |  |  |
| <b>Time to result</b>   | <b>Step</b>   | <b>Time required (Day)</b><br>VIDAS SLM single enrichment method | <b>Time required (Day)</b><br>Reference method ISO 6579 -1 |
|   | Realization of pre-enrichment   | D0   | D0   |
|   | Inoculations of enrichment broths (Rappaport-Vassiliadis Soja, MKTTn, M)  | D1   | D1   |
|   | VIDAS SLM test procedure  | D2   | /  |
|   | Streaking RVS and MKTTn onto selective media  | /  | D2-D3 <sup>(1)</sup>                                       |
|   | Reading the plates  | /  | D3 to D4 <sup>(1)</sup>                                    |
|   | <b>Negative results</b>   | <b>D2</b>  | <b>D3 to D4<sup>(1)</sup></b>                              |
|   | Streaking RVS and MKTTn onto selective media  | D2   | /  |
|   | Reading the plates  | D3   | /  |
|   | Confirmatory tests (biochemical and serological)  | D4   | D3 to D5 <sup>(1)</sup>                                    |
|   | <b>Positive results</b>   | <b>D4</b>  | <b>D4 to D5<sup>(1)</sup></b>                              |
| <b>Common step with reference method</b>  | Pre-enrichment in BPW   |  |  |

<sup>(1)</sup>: For raw milk cheeses and low moisture dairy products

The negative results are available in 2 days and the positive results in 4 days.

## 3.2 Inter-laboratory study

***The inter-laboratory 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 results of the inter-laboratory studies run in 2006 were interpreted according to the EN ISO 16140-2:2016 standard using the Excel spread sheet available at <http://standards.iso.org/iso/16140> (AP Calculation tool ILS (clause 6.2.3 Calculation summary and interpretations of data) ver 14.03.2016).

### 3.2.1 Study organisation

Samples were sent to 15 laboratories. The study was performed in 2006. Pasteurised milk was inoculated with a *Salmonella* Typhimurium strain isolated from a dairy product.

Samples were prepared and inoculated on Monday 16<sup>th</sup> June 2006, as described below:

- 24 samples for analyses by the reference and the alternative methods;
- 1 sample for aerobic mesophilic flora enumeration by ISO 4833-1 method,
- A temperature probe.

The targeted inoculation levels were the following:

- Level: 0 CFU/25 ml,
- Level 1: 3 CFU/25 ml,
- Level 2: 30 CFU/25 ml.

The collaborators and the expert laboratory carried out the analyses at Day 1 with the alternative and reference methods. **The analyses by the reference method and the alternative method were performed on the same day.**

### 3.2.2 Experimental parameters controls

#### 3.2.2.1 Strain stability and background microflora stability

Strain stability was checked by inoculating the matrix at two different levels. Enumerations were performed for the high contamination level and detection analyses were performed for the low contamination level after 24 h and 48 h storage at  $5 \pm 3^\circ\text{C}$ . The results are given in Table 11.

Table 11 - Sample stability

| Day   | Reference method (detection) | CFU/25 ml |
|-------|------------------------------|-----------|
| Day 0 | +                            | 43        |
| Day 1 | +                            | 33        |
| Day 2 | +                            | 8         |

A slight decrease in the *Salmonella* count was observed during storage at  $5^\circ\text{C} \pm 3^\circ\text{C}$ .

#### 3.2.2.2 Contamination levels

The contamination levels and the sample codification were the following (see Table 12).

Table 12 - Contamination levels

| Level           | Samples                  | Theoretical target level (CFU/25ml) | True level (CFU/25ml) | Low limit CFU/ 25 ml sample | High limit CFU/ 25 ml sample |
|-----------------|--------------------------|-------------------------------------|-----------------------|-----------------------------|------------------------------|
| Level 0 (L0)    | 1-4-7-10-<br>11-16-19-22 | 0                                   | 0                     | /                           | /                            |
| Low level (L1)  | 2-5-8-12<br>13-17-20-23  | 3                                   | 4.0                   | 1.1                         | 10.3                         |
| High level (L2) | 3-6-9-14-<br>15-18-21-24 | 30                                  | 42.9                  | 30.6                        | 58.4                         |

#### 3.2.2.3 Logistic conditions

Temperature conditions are given in Table 13.

Table 13 - Sample temperatures at receipt

| Laboratory | Temperatures at receipt (°C) |                   | Comments        |
|------------|------------------------------|-------------------|-----------------|
|            | Measured by the laboratory   | Temperature probe |                 |
| A          | 16.4                         | 8.8               | Reception at D2 |
| B          | /                            | /                 | Reception at D2 |
| C          | 8.0                          | 7.7               |                 |
| D          | 9.7                          | 3.7               |                 |
| E          | 7.0                          | 8.2               |                 |
| F          | Not communicated             | 2.7               |                 |
| G          | /                            | 16.3              | Reception at D2 |
| H          | Not communicated             | Not received      |                 |
| I          | 3.9                          | 4.5               |                 |
| J          | 1.1                          | 5.2               |                 |
| K          | 1.0                          | 1.2               |                 |
| L          | 3.0                          | 2.7               |                 |
| M          | 8.0                          | 3.7               |                 |
| N          | 3.4                          | 7.7               |                 |
| O          | 8.8                          | 3.7               |                 |

Three labs (A, B and G) received their samples at Day 2 and did not realise the analyses. For the other labs, the temperatures measured by the probe were all correct.

### 3.2.3 Results analysis

The raw data are given in **Appendix 7**.

#### 3.2.3.1 Expert laboratory results

The results obtained by the expert laboratory are given in Table 14.

Table 14 – Results obtained by the expert Lab.

| Level | Reference method | Alternative method |
|-------|------------------|--------------------|
| L0    | 0/8              | 0/8                |
| L1    | 8/8              | 8/8                |
| L2    | 8/8              | 8/8                |



### 3.2.3.2 Results observed by the collaborative laboratories

#### **Aerobic mesophilic flora enumeration**

Depending on the Lab results, the enumeration levels varied from 1 to 10 CFU/ml.

#### **Salmonella spp. detection**

Lab F did not test the single selective enrichment.

11 collaborators participated to the study. The results obtained are provided in Table 15 (reference method) and Table 16 (alternative method).

**Table 15 - Positive results by the reference method (ALL the collaborators)**

| Collaborators | Contamination level |           |           |
|---------------|---------------------|-----------|-----------|
|               | L0                  | L1        | L2        |
| C             | 0                   | 8         | 8         |
| D             | 0                   | 8         | 8         |
| E             | 8                   | 8         | 8         |
| H             | 0                   | 8         | 8         |
| I             | 0                   | 8         | 8         |
| J             | 0                   | 8         | 8         |
| K             | 0                   | 8         | 8         |
| L             | 0                   | 8         | 8         |
| M             | 0                   | 8         | 8         |
| N             | 0                   | 8         | 8         |
| O             | 0                   | 8         | 8         |
| <b>Total</b>  | <b>8</b>            | <b>88</b> | <b>88</b> |

**Table 16 - Positive results (before and after confirmation)  
by the alternative method (ALL the collaborators)**

| Collaborators | Contamination level |                     |              |              |                     |              |              |                     |              |
|---------------|---------------------|---------------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|
|               | L0                  |                     |              | L1           |                     |              | L2           |                     |              |
|               | VIDAS Result        | Confirmation result | Final result | VIDAS Result | Confirmation result | Final result | VIDAS Result | Confirmation result | Final result |
| <b>C</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>D</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>E</b>      | 7                   | 7                   | 7            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>H</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>I</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>J</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>K</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>L</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>M</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>N</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>O</b>      | 0                   | 0                   | 0            | 8            | 8                   | 8            | 8            | 8                   | 8            |
| <b>Total</b>  | <b>7</b>            | <b>7</b>            | <b>7</b>     | <b>88</b>    | <b>88</b>           | <b>88</b>    | <b>88</b>    | <b>88</b>           | <b>88</b>    |

According to the AFNOR technical rules, it is possible to include the results from a collaborator with maximum one cross contamination at Level 0. For this study, this rule was applied and the results from Lab E were not kept for interpretation.

### 3.2.3.3 Results of the collaborators retained for interpretation

The results obtained with the 10 labs kept for interpretation are presented in Table 17 (reference method) and Table 18 (alternative method).

**Table 17 - Positive results by the reference method (Without Lab E)**

| Collaborators | Contamination level     |                          |                          |
|---------------|-------------------------|--------------------------|--------------------------|
|               | L0                      | L1                       | L2                       |
| <b>C</b>      | 0                       | 8                        | 8                        |
| <b>D</b>      | 0                       | 8                        | 8                        |
| <b>H</b>      | 0                       | 8                        | 8                        |
| <b>I</b>      | 0                       | 8                        | 8                        |
| <b>J</b>      | 0                       | 8                        | 8                        |
| <b>K</b>      | 0                       | 8                        | 8                        |
| <b>L</b>      | 0                       | 8                        | 8                        |
| <b>M</b>      | 0                       | 8                        | 8                        |
| <b>N</b>      | 0                       | 8                        | 8                        |
| <b>O</b>      | 0                       | 8                        | 8                        |
| <b>Total</b>  | <b>CP<sub>0</sub>=0</b> | <b>CP<sub>1</sub>=80</b> | <b>CP<sub>2</sub>=80</b> |

**Table 18 - Positive results (before and after confirmation)  
by the alternative method (Without Lab E)**

| Collaborators | Contamination level    |                        |                         |                         |                         |                          |                         |                         |                          |
|---------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|
|               | L0                     |                        |                         | L1                      |                         |                          | L2                      |                         |                          |
|               | VIDAS Result           | Confirmation result    | Final result            | VIDAS Result            | Confirmation result     | Final result             | VIDAS Result            | Confirmation result     | Final result             |
| <b>C</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>D</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>H</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>I</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>J</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>K</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>L</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>M</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>N</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>O</b>      | 0                      | 0                      | 0                       | 8                       | 8                       | 8                        | 8                       | 8                       | 8                        |
| <b>Total</b>  | <b>P<sub>0</sub>=0</b> | <b>C<sub>0</sub>=0</b> | <b>CP<sub>0</sub>=0</b> | <b>P<sub>1</sub>=80</b> | <b>C<sub>1</sub>=80</b> | <b>CP<sub>1</sub>=80</b> | <b>P<sub>2</sub>=80</b> | <b>C<sub>2</sub>=80</b> | <b>CP<sub>2</sub>=80</b> |

### 3.2.4 Calculation and interpretation

#### 3.2.4.1 Calculation of the specificity percentage (SP)

The percentage specificities (SP) of the reference method and of the alternative method, using the data after confirmation, based on the results of level L0 are the following (See Table 19).

**Table 19 - Percentage specificity**

|   |   |         |
|---|---|---------|
| <b>Specificity for the reference method</b>   | $SP_{ref} = \left(1 - \left(\frac{P_0}{N_-}\right)\right) \times 100 \% =$  | 100.0 % |
| <b>Specificity for the alternative method</b> | $SP_{alt} = \left(1 - \left(\frac{CP_0}{N_-}\right)\right) \times 100 \% =$ | 100.0 % |

N: number of all L0 tests

P<sub>0</sub> = total number of false-positive results obtained with the blank samples before confirmation

CP<sub>0</sub> = total number of false-positive results obtained with the blank samples

#### 3.2.4.2 Calculation of the sensitivity (SE<sub>alt</sub>), the sensitivity for the reference method (SE<sub>ref</sub>), the relative trueness (RT) and the false positive ratio for the alternative method (FPR)

Fractional positive results were obtained for the low and the high inoculation levels (L1 + L2). The two inoculation levels were retained for calculation.

A summary of the results of the collaborators retained for interpretation, and obtained with the reference and the alternative methods for Level 1 and Level 2 is provided in Table 20

**Table 20 - Summary of the obtained results with the reference method and the alternative method for Level 1 and Level 2**

| Level | Response                         | Reference method positive (R+)               | Reference method negative (R-)              |
|-------|----------------------------------|--|---|
| 1     | Alternative method positive (A+) | Positive agreement (A+/R+)<br><b>PA = 80</b> | Positive deviation (R-/A+)<br><b>PD = 0</b> |
|       | Alternative method negative (A-) | Negative deviation (A-/R+)<br><b>ND = 0</b>  | Negative agreement (A-/R-)<br><b>NA = 0</b> |
| 2     | Alternative method positive (A+) | Positive agreement (A+/R+)<br><b>PA = 80</b> | Positive deviation (R-/A+)<br><b>PD = 0</b> |
|       | Alternative method negative (A-) | Negative deviation (A-/R+)<br><b>ND = 0</b>  | Negative agreement (A-/R-)<br><b>NA = 0</b> |

Based on the data summarized in Table 20, the values of sensitivity of the alternative and reference methods, as well as the relative trueness and false positive ratio for the alternative method taking account the confirmations, are the following (See Table 21).

**Table 21 - Sensitivity, relative trueness and false positive ratio percentages**

|   |  | Level 1 | Level 2 |
|---|--|---------|---------|
| Sensitivity for the alternative method:         | $SE_{alt} = \frac{(PA+PD)}{(PA+PD+ND)} \times 100\% =$ | 100.0 % | 100.0 % |
| Sensitivity for the reference method:           | $SE_{ref} = \frac{(PA+ND)}{(PA+PD+ND)} \times 100\% =$ | 100.0 % | 100.0 % |
| Relative trueness                               | $RT = \frac{(PA+NA)}{N} \times 100\% =$                | 100.0 % | 100.0 % |
| False positive ratio for the alternative method | $FPR = \frac{FP}{NA} \times 100\% =$                   | /       | /       |

### 3.2.4.3 Interpretation of data

No discordant result was obtained for this inter-laboratory study.

For a **paired study design**, the difference between (ND – PD) and the addition (ND + PD) are calculated for the level(s) where fractional recovery is obtained (so  $L_1$  and possibly  $L_2$ ). The observed value found for (ND – PD) and (ND + PD) shall not be higher than the AL.

For 10 Labs, the limits are the following:

|         | Calculated values | AL | Conclusion   |
|---------|-------------------|----|--------------|
| ND - PD | 0                 | 3  | ND - PD < AL |
| ND + PD | 0                 | 4  | ND - PD < AL |

**The EN ISO 16140-2:2016 requirements are fulfilled as (ND - PD) and (ND + PD) meet the AL.**

#### 3.2.4.4 Evaluation of the $LOD_{50\%}$ , $LOD_{95\%}$ and RLOD between laboratories

When using the EN ISO 16140-2:2016 Excel spreadsheet available at [http://standards.iso.org/iso/16140/-2/ed-1/en/RLOD\\_inter-lab-study\\_16140-2\\_AnnexF\\_ver1\\_28-06-2017.xls](http://standards.iso.org/iso/16140/-2/ed-1/en/RLOD_inter-lab-study_16140-2_AnnexF_ver1_28-06-2017.xls), the RLOD calculation is not possible as there is no fractional positive result.

### 3.3 General conclusion

The **method comparison study conclusions** are:

In the sensitivity study, 7 categories were tested: 6 food categories and the feed products. The protocol of the alternative method shows 4 negative deviations (ND) for the over all categories. The calculated values for (ND + PPND - PD) and (ND PPND + PD) meet the acceptability limits (AL) for each individual category and for all the combined categories (observed values < AL).

The Relative Levels of Detection (RLOD) meet the Acceptability Limit for each matrix/strain pairs and for the overall categories (observed values < AL). Considering the root cause analysis, the RLOD results for raw milk have been approved by the AFNOR Certification technical board.

The inclusivity and exclusivity testing gave the expected results for the 102 target strains and the 30 non-target strains.

The alternative method allows a two-days screening of the negative samples.


The alternative method fulfils all the EN ISO 16140-2:2016 and AFNOR technical rules (revision 6).

The **inter-laboratory study conclusions** are:

The data and interpretations comply with the EN ISO 16140-2:2016 requirements. **The alternative method is considered equivalent to the ISO standard.**

Quimper, 27 July 2022

Maryse RANNOU  
Project Manager  
Validation of Alternative methods  
*Food Safety & Quality*



I hereby attest to the validation of the verification of the conformity of the report (opinion and interpretation).

**Appendix 1 – Flow diagram of the alternative method:  
VIDAS Salmonella - Single selective enrichment**

xg sample into 9 x ml BPW  
 or specific enrichment according to ISO 6579 and 6887 parts  
 (pre-warmed skimmed milk for chocolates (375 g sample size);  
 pre-warmed BPW for milk powders, infant formula and infant cereals without  
 probiotics (375 g sample size);  
 pre-warmed BPW 2X for infant formula and infant cereals with probiotics  
 (375 g sample size)



Incubate for 16 – 20 h at 34-38°C



Transfer 0.1 ml into 10 ml RVS

Incubate for 6 – 8 h at 41.5°C ± 1°C



Transfer 1 ml RVS into 10 ml M broth



Incubate for 16 – 20 h at 41.5°C ± 1°C



Transfer 1 – 2 ml of M broth and heat for  
15 ± 1 min at 95 – 100°C. Cool the tube



Mix the boiled broth and transfer 0.5 ml  
into the sample well on the VIDAS SLM strip



Positive test



Confirmation:

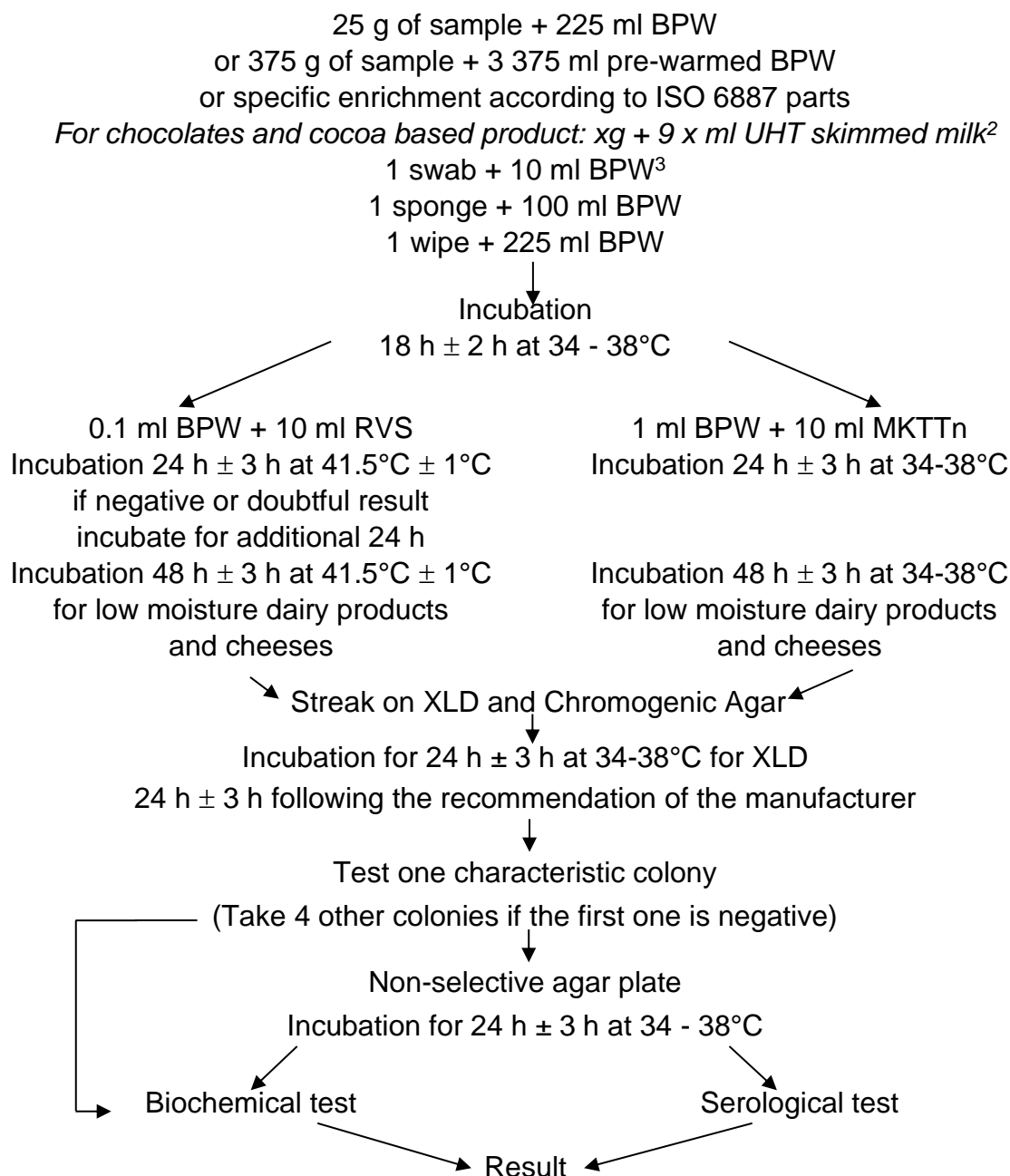
→ Streaking RVS broth on XLD or ChromID Salmonella or ASAP  
 Confirmation of typical colonies using the tests of the reference method

25 h ± 3 h at  
41,5°C ± 1°C

**Appendix 2 – Flow diagram of the reference method:**

**ISO 6579-1 (February 2017):** Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of *Salmonella* spp. - Part 1: detection of *Salmonella* spp.

**ISO 6579-1/A1 (March 2020):** Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of *Salmonella* spp. - Part 1: detection of *Salmonella* spp. Amendment 1: Broader range of incubation temperatures, amendment to the status of Annex D, and correction of the composition of MSRV and SC



<sup>2</sup> For chocolates products containing > 20 % fat, unless the products already contain sufficient emulsifier, add Tween 80  
For products with high background microflora add Brilliant green (0.018g/L)

<sup>3</sup> For sampling after cleaning process premoisten  
 - 1 swab + 1 ml broth universal neutralizing (+ 9 ml BPW)  
 - 1 sponge + 10 ml broth universal neutralizing (+ 90 ml BPW)  
 - 1 wipe + BPW + 10 % neutralizing agent (+ 225 ml BPW)



### Appendix 3 – Artificial contamination of samples

| Code | Product              | Category and type | Artificial contaminations (Study realised by IPL) |                               |                        |                                     |                    |              | Result |
|------|----------------------|-------------------|---|-------------------------------|------------------------|-------------------------------------|--------------------|--------------|--------|
|      |                      |                   | Strain  |                               |                        | Injury protocol                     | Injury measurement | CFUC/ sample |        |
|      |                      |                   | N°  | Name                          | Origin                 |                                     |                    |              |        |
| A1   | Whiting filet        | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle                 | 30 min 55°C 30 min -80°C            | 0,35               | 3,4          | +      |
| A2   | Scallops             | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle                 | 30 min 55°C 30 min -80°C            | 0,35               | 3,4          | +      |
| A3   | Salmon filet         | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle                 | 30 min 55°C 30 min -80°C            | 0,35               | 4,0          | +      |
| A4   | Smoked mackerel      | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle                 | 30 min 55°C 30 min -80°C            | 0,35               | 4,7          | +      |
| A5   | Seafoods             | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle                 | 30 min 55°C 30 min -80°C            | 0,35               | 5,4          | +      |
| A6   | FSaithe filet        | PP1               | 80  | <i>Salmonella</i> Kedougou    | Tuna                   | 30 min 55°C 30 min -80°C            | 0,78               | 6,9          | +      |
| A7   | Shrimps              | PP1               | 80  | <i>Salmonella</i> Kedougou    | Tuna                   | 30 min 55°C 30 min -80°C            | 0,78               | 6,9          | +      |
| A13  | Cooked lens          | PV2               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables             | 30 min 55°C 30 min -80°C            | 0,41               | 6,3          | +      |
| A14  | Cooked broccoli      | PV2               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables             | 30 min 55°C 30 min -80°C            | 0,41               | 6,3          | +      |
| A15  | Cooked green beans   | PV2               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables             | 30 min 55°C 30 min -80°C            | 0,41               | 11,1         | +      |
| A17  | Raw endive           | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables             | 30 min 55°C 30 min -80°C            | 0,41               | 9,5          | +      |
| A19  | Cooked saithe filet  | DV3               | 80  | <i>Salmonella</i> Kedougou    | Tuna                   | 30 min 55°C 30 min -80°C            | 0,78               | 6,9          | +      |
| B1   | Red fruits pastry    | DV2               | 14  | <i>Salmonella</i> Enteritidis | Pastry                 | 30 min 55°C 30 min -80°C            | 0,57               | 8,4          | +      |
| B2   | Baba au rhum         | DV2               | 14  | <i>Salmonella</i> Enteritidis | Pastry                 | 30 min 55°C 30 min -80°C            | 0,57               | 10,0         | +      |
| B3   | Versailles           | DV2               | 14  | <i>Salmonella</i> Enteritidis | Pastry                 | 30 min 55°C 30 min -80°C            | 0,57               | 10,0         | +      |
| B4   | Forêt noire          | DV2               | 14  | <i>Salmonella</i> Enteritidis | Pastry                 | 30 min 55°C 30 min -80°C            | 0,57               | 11,7         | +      |
| B5   | Baked custard        | DV2               | 14  | <i>Salmonella</i> Enteritidis | Pastry                 | 30 min 55°C 30 min -80°C            | 0,57               | 8,4          | +      |
| B8   | Roasted potatoes     | DV2               | 87  | <i>Salmonella</i> Blockley    | Basil                  | 30 min 55°C 30 min -80°C            | 1,84               | 10,3         | +      |
| B10  | Scallops with Cognac | DV3               | 80  | <i>Salmonella</i> Kedougou    | Tuna                   | 30 min 55°C 30 min -80°C            | 0,59               | 5,5          | +      |
| B11  | Hake with curry      | DV3               | 80  | <i>Salmonella</i> Kedougou    | Tuna                   | 30 min 55°C 30 min -80°C            | 0,59               | 6,4          | +      |
| B12  | Salmon + mushrooms   | DV3               | 80  | <i>Salmonella</i> Kedougou    | Tuna                   | 30 min 55°C 30 min -80°C            | 0,59               | 6,4          | +      |
| B13  | Viennetta mint       | PL2               | 45  | <i>Salmonella</i> Indiana     | Cheese (Brie de Meaux) | 30 min 55°C 30 min -80°C            | 0,35               | 7,3          | +      |
| B14  | St Félicien          | PL2               | 45  | <i>Salmonella</i> Indiana     | Brie de Meaux          | 30 min 55°C 30 min -80°C            | 0,35               | 8,2          | +      |
| B15  | Cheese               | PL2               | 45  | <i>Salmonella</i> Indiana     | Brie de Meaux          | 30 min 55°C 30 min -80°C            | 0,35               | 8,2          | +      |
| B16  | Brillat savarin      | PL2               | 45  | <i>Salmonella</i> Indiana     | Brie de Meaux          | 30 min 55°C 30 min -80°C            | 0,35               | 4,6          | +      |
| B17  | Goat cheese          | PL2               | 45  | <i>Salmonella</i> Indiana     | Brie de Meaux          | 30 min 55°C 30 min -80°C            | 0,35               | 6,5          | +      |
| B18  | Rollot de Picardie   | PL2               | 97  | <i>Salmonella</i> Typhimurium | Cheese (St Nectaire)   | 30 min 55°C 30 min -80°C            | 0,50               | 6,1          | +      |
| B19  | Cheese (Morbier)     | PL1               | 97  | <i>Salmonella</i> Typhimurium | Cheese (St Nectaire)   | 30 min 55°C 30 min -80°C            | 0,50               | 7,6          | +      |
| B20  | Cheese (Neufchâtel)  | PL1               | 97  | <i>Salmonella</i> Typhimurium | Cheese (St Nectaire)   | 30 min 55°C 30 min -80°C            | 0,50               | 7,6          | +      |
| B21  | Cheese (Roquefort)   | PL1               | 97  | <i>Salmonella</i> Typhimurium | Cheese (St Nectaire)   | 30 min 55°C 30 min -80°C            | 0,50               | 9,1          | +      |
| B22  | Cheese (Munster)     | PL1               | 97  | <i>Salmonella</i> Typhimurium | Cheese (St Nectaire)   | 30 min 55°C 30 min -80°C            | 0,50               | 9,1          | +      |
| C5   | Stuffed squids       | DV3               | 71  | <i>Salmonella</i> Senftenberg | Fish                   | 48H fridge 30 min 55°C 30 min -80°C | 0,71               | 3,0          | +      |

| Code | Product                       | Category and type | Artificial contaminations (Study realised by IPL) |                               |                |                                      |                    |             | Result |
|------|-------------------------------|-------------------|---|-------------------------------|----------------|--------------------------------------|--------------------|-------------|--------|
|      |                               |                   | Strain  |                               |                | Injury protocol                      | Injury measurement | CFUC/sample |        |
|      |                               |                   | N°  | Name                          | Origin         |                                      |                    |             |        |
| C6   | Salmon roulades               | DV3               | 71  | <i>Salmonella</i> Senftenberg | Fish           | 48H fridge 30 min 55°C 30 min -80°C  | 0,71               | 3,4         | +      |
| C7   | Stuffed squids                | DV3               | 71  | <i>Salmonella</i> Senftenberg | Fish           | 48H fridge 30 min 55°C 30 min -80°C  | 0,71               | 3,7         | +      |
| C8   | Cooked salmon                 | DV3               | 71  | <i>Salmonella</i> Senftenberg | Fish           | 48H fridge 30 min 55°C 30 min -80°C  | 0,71               | 3,7         | +      |
| C9   | Cooked salmon                 | DV3               | 71  | <i>Salmonella</i> Senftenberg | Fish           | 48H fridge 30 min 55°C 30 min -80°C  | 0,71               | 4,1         | +      |
| C10  | White fish lemon              | DV3               | 71  | <i>Salmonella</i> Senftenberg | Fish           | 48H fridge 30 min 55°C 30 min -80°C  | 0,71               | 4,5         | +      |
| C11  | Goat cheese                   | PL2               | 73  | <i>Salmonella</i> Senftenberg | Dairy product  | 48H fridge 30 min 55°C 30 min -80°C  | 0,64               | 3,3         | +      |
| C12  | Ewe cheese                    | PL2               | 73  | <i>Salmonella</i> Senftenberg | Dairy product  | 48H fridge 30 min 55°C 30 min -80°C  | 0,61               | 3,3         | +      |
| C13  | Cheese                        | PL2               | 73  | <i>Salmonella</i> Senftenberg | Dairy product  | 48H fridge 30 min 55°C 30 min -80°C  | 0,61               | 3,7         | +      |
| C14  | Milk                          | PL2               | 73  | <i>Salmonella</i> Senftenberg | Dairy product  | 48H fridge 30 min 55°C 30 min -80°C  | 0,61               | 3,7         | +      |
| C15  | Cheese (Crottin de Chavignol) | PL1               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,64               | 4,8         | +      |
| C16  | Valencay                      | PL1               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,64               | 4,8         | +      |
| C17  | Selles sur cher               | PL1               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,64               | 4,8         | +      |
| C18  | Cheese (Crottin au lait cru)  | PL1               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,64               | 5,2         | +      |
| C19  | Milk powder                   | PL3               | 55  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,57               | 3,0         | +      |
| C20  | Milk powder                   | PL3               | 55  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,57               | 3,0         | +      |
| C21  | Dry milk                      | PL3               | 55  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,57               | 3,3         | +      |
| C22  | Dry milk                      | PL3               | 55  | <i>Salmonella</i> Typhimurium | Half skim milk | 48H fridge 30 min 55°C 30 min -80°C  | 0,57               | 3,3         | +      |
| D2   | Raw beef                      | AN3               | 1   | <i>Salmonella</i> Anatum      | Beef meat      | 30 min 55°C 30 min -80°C 15 min 45°C | 1,02               | 0,0         | -      |
| D3   | raw beef                      | AN3               | 1   | <i>Salmonella</i> Anatum      | Beef meat      | 30 min 55°C 30 min -80°C 15 min 45°C | 1,02               | 0,0         | -      |
| D4   | Beef pate for dog             | AN1               | 3   | <i>Salmonella</i> Brandenburg | Pâté           | 30 min 55°C 30 min -80°C 15 min 45°C | 0,96               | 1,4         | +      |
| D5   | Beef pâté for dog             | AN1               | 3   | <i>Salmonella</i> Brandenburg | Pâté           | 30 min 55°C 30 min -80°C 15 min 45°C | 0,96               | 1,7         | +      |
| D6   | Chicken pâté for dog          | AN1               | 3   | <i>Salmonella</i> Brandenburg | Pâté           | 30 min 55°C 30 min -80°C 15 min 45°C | 0,96               | 1,7         | +      |
| D7   | Chicken pâté for dog          | AN1               | 3   | <i>Salmonella</i> Brandenburg | Pâté           | 30 min 55°C 30 min -80°C 15 min 45°C | 0,96               | 1,9         | +      |
| D8   | Lamb pâté for dog             | AN1               | 3   | <i>Salmonella</i> Brandenburg | Pâté           | 30 min 55°C 30 min -80°C 15 min 45°C | 0,96               | 2,0         | +      |
| D9   | Lamb pâté for dog             | AN1               | 3   | <i>Salmonella</i> Brandenburg | Pâté           | 30 min 55°C 30 min -80°C 15 min 45°C | 0,96               | 2,0         | +      |
| D14  | Pellets                       | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 1,09               | 1,3         | +      |
| D15  | Meal                          | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 1,09               | 1,4         | -      |
| D16  | Meal                          | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 1,09               | 1,4         | +      |
| D18  | Fish meal                     | AN2               | 85  | <i>Salmonella</i> Liverpool   | Fish meal      | 30 min 55°C 30 min -80°C 15 min 45°C | 1,02               | 0,2         | +      |
| D21  | Meal                          | AN2               | 81  | <i>Salmonella</i> Kedougou    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 0,91               | 0,8         | +      |
| D22  | Meal                          | AN2               | 81  | <i>Salmonella</i> Kedougou    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 0,91               | 0,9         | +      |
| D23  | Pellets                       | AN2               | 81  | <i>Salmonella</i> Kedougou    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 0,91               | 0,9         | -      |
| D24  | Pellets                       | AN2               | 81  | <i>Salmonella</i> Kedougou    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C | 0,91               | 1,0         | +      |
| E1   | Waste beef                    | AN3               | 1   | <i>Salmonella</i> Anatum      | Beef meat      | 30 min 55°C 30 min -80°C 15 min 45°C | 0,95               | 8,2         | +      |
| E2   | Waste beef                    | AN3               | 1   | <i>Salmonella</i> Anatum      | Beef meat      | 30 min 55°C 30 min -80°C 15 min 45°C | 0,95               | 12,3        | +      |
| E3   | Waste beef                    | AN3               | 1   | <i>Salmonella</i> Anatum      | Beef meat      | 30 min 55°C 30 min -80°C 15 min 45°C | 0,95               | 4,1         | +      |

| Code | Product                        | Category and type | Artificial contaminations (Study realised by IPL) |                               |                |   |                    |             | Result |
|------|--------------------------------|-------------------|---|-------------------------------|----------------|---|--------------------|-------------|--------|
|      |                                |                   | Strain  |                               |                | Injury protocol                               | Injury measurement | CFUC/sample |        |
|      |                                |                   | N°  | Name                          | Origin         |   |                    |             |        |
| E4   | Fish pâté for cat              | AN1               | 90  | <i>Salmonella</i> Oranienburg | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,81               | 1,0         | +      |
| E5   | Liver and poultry pâté for cat | AN1               | 90  | <i>Salmonella</i> Oranienburg | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,81               | 1,0         | +      |
| E6   | Chicken pâté for cat           | AN1               | 90  | <i>Salmonella</i> Oranienburg | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,81               | 1,2         | +      |
| E7   | Salmon pâté for cat            | AN1               | 90  | <i>Salmonella</i> Oranienburg | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,81               | 1,2         | +      |
| E15  | Dry cat foods                  | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,66               | 3,2         | +      |
| E16  | Dry cat foods                  | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,66               | 3,2         | +      |
| E17  | Dry cat foods                  | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,66               | 3,8         | +      |
| E18  | Dry cat foods                  | AN2               | 67  | <i>Salmonella</i> Llandoff    | Pet food       | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,66               | 3,8         | +      |
| F1   | Dry milk                       | PL3               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,51               | 3,4         | +      |
| F2   | Dry milk                       | PL3               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,51               | 4,1         | +      |
| F3   | Dry milk                       | PL3               | 54  | <i>Salmonella</i> Typhimurium | Half skim milk | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,51               | 4,8         | +      |
| F4   | Chef crawfish                  | PP1               | 31  | <i>Salmonella</i> Virchow     | Shell fish     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,55               | 1,9         | +      |
| F5   | Perch filet                    | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle         | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,55               | 1,9         | -      |
| F6   | Fish filet                     | PP1               | 31  | <i>Salmonella</i> Virchow     | Cockle         | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,55               | 2,3         | +      |
| F7   | Spinach                        | PV2               | 59  | <i>Salmonella</i> San Diego   | Dried herbs    | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,57               | 1,8         | -      |
| F8   | Vegetables for couscous        | PV2               | 59  | <i>Salmonella</i> San Diego   | Dried herbs    | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,57               | 1,8         | +      |
| F9   | Cauliflower                    | PV2               | 59  | <i>Salmonella</i> San Diego   | Dried herbs    | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,57               | 2,2         | +      |
| F13  | Salad                          | PV1               | 59  | <i>Salmonella</i> San Diego   | Dried herbs    | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,57               | 1,4         | -      |
| F14  | Salad                          | PV1               | 59  | <i>Salmonella</i> San Diego   | Dried herbs    | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,57               | 1,8         | +      |
| F16  | Catalan pan fried              | PV1               | 59  | <i>Salmonella</i> San Diego   | Dried herbs    | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,57               | 2,2         | -      |
| F17  | Catalan pan fried              | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,53               | 1,8         | -      |
| F18  | Catalan pan fried              | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,53               | 1,8         | -      |
| F19  | Red cabbage                    | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,53               | 2,2         | +      |
| F20  | Red cabbage                    | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,53               | 2,2         | +      |
| F21  | Red cabbage                    | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,53               | 2,7         | +      |
| F22  | Red cabbage                    | PV1               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 30 min 55°C 30 min -80°C 15 min 45°C          | 0,53               | 2,7         | +      |
| G1   | Cooked whelks                  | PP1               | 71  | <i>Salmonella</i> Senftenberg | Fish           | 48H fridge 30 min 55°C 30 min -80°C 5min 46°C | 0,73               | 6,0         | +      |
| G2   | Ratatouille                    | PV2               | 2   | <i>Salmonella</i> Amsterdam   | Vegetables     | 48H fridge 30 min 55°C 30 min -80°C 5min 46°C | 0,45               | 6,8         | +      |
| G3   | Red cabbage                    | PV1               | 87  | <i>Salmonella</i> Blockley    | Basil          | 48H fridge 30 min 55°C 30 min -80°C 5min 46°C | 0,46               | 4,6         | +      |
| G4   | Tomatoes                       | PV1               | 87  | <i>Salmonella</i> Blockley    | Basil          | 48H fridge 30 min 55°C 30 min -80°C 5min 46°C | 0,46               | 5,8         | +      |
| G5   | Provençal pan fried            | PV1               | 87  | <i>Salmonella</i> Blockley    | Basil          | 48H fridge 30 min 55°C 30 min -80°C 5min 46°C | 0,46               | 6,9         | +      |
| G6   | Provençal pan fried            | PV1               | 87  | <i>Salmonella</i> Blockley    | Basil          | 48H fridge 30 min 55°C 30 min -80°C 5min 46°C | 0,46               | 6,9         | +      |

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|---------------|-----------|--|-----------------|---|-----------------|-------------------|--------------------|----------------------------|------|---------------|----------|------|
|               |           |  |                 | Strain  | Origin          | Injury protocol   | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |  |                 |   |                 |                   |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 4636      | Rocamadour au lait cru                     | Raw milk cheese | S. Stourbridge Ad2297                               | Raw milk cheese | Seeding 48h 2-8°C | /                  | 0-0-2-1-1                  | 0,8  | -             | 2        | a    |
| ADRIA-2017    | 4637      | Camembert au lait cru                      | Raw milk cheese | S. Mbandaka Ad2296                                  | Raw milk        | Seeding 48h 2-8°C | /                  | 6-6-4-1-1                  | 3,6  | -             | 2        | a    |
| ADRIA-2017    | 4638      | Lait cru de vache                          | Raw milk        | S. Mbandaka Ad2296                                  | Raw milk        | Seeding 48h 2-8°C | /                  | 6-6-4-1-1                  | 3,6  | -             | 2        | c    |
| ADRIA-2017    | 4639      | Lait cru de vache                          | Raw milk        | S. Mbandaka Ad2296                                  | Raw milk        | Seeding 48h 2-8°C | /                  | 6-6-4-1-1                  | 3,6  | +             | 2        | c    |
| ADRIA-2017    | 4640      | Lait cru de vache                          | Raw milk        | S. Mbandaka Ad2296                                  | Raw milk        | Seeding 48h 2-8°C | /                  | 6-6-4-1-1                  | 3,6  | +             | 2        | c    |
| ADRIA-2017    | 4641      | Lait cru de vache                          | Raw milk        | S. Stourbridge Ad2297                               | Raw milk cheese | Seeding 48h 2-8°C | /                  | 0-0-2-1-1                  | 0,8  | +             | 2        | c    |
| ADRIA-2017    | 4642      | Lait cru de vache                          | Raw milk        | S. Stourbridge Ad2297                               | Raw milk cheese | Seeding 48h 2-8°C | /                  | 0-0-2-1-1                  | 0,8  | +             | 2        | c    |
| ADRIA-2017    | 4643      | Noix de Saint-Jacques                      | Scallops        | S. Anatum Ad2727                                    | Crab            | Seeding 48h 2-8°C | /                  | 0-4-2-1-2                  | 1,8  | -             | 3        | a    |
| ADRIA-2017    | 4644      | Poulpe                                     | Octopus         | S. Anatum Ad2727                                    | Crab            | Seeding 48h 2-8°C | /                  | 0-4-2-1-2                  | 1,8  | +             | 3        | a    |
| ADRIA-2017    | 4645      | Encornet                                   | Squid           | S. Anatum Ad2727                                    | Crab            | Seeding 48h 2-8°C | /                  | 0-4-2-1-2                  | 1,8  | +             | 3        | a    |
| ADRIA-2017    | 4700      | Champignons blancs crus                    | Mushrooms       | S. Havana Ad2728                                    | Sunflower       | Seeding 48h 2-8°C | /                  | 1-3-3-3-4                  | 2,8  | +             | 3        | b    |
| ADRIA-2017    | 4701      | Salade iceberg                             | Iceberg lettuce | S. Virchow Ad2569                                   | Zucchini        | Seeding 48h 2-8°C | /                  | 3-3-2-4-1                  | 2,6  | +             | 3        | b    |
| ADRIA-2017    | 4702      | Tendres pousses (mâche, épinards, laitues) | Baby leaves     | S. Livingstone Ad2566                               | Potatoes        | Seeding 48h 2-8°C | /                  | 1-1-4-1-1                  | 1,6  | +             | 3        | b    |
| ADRIA-2017    | 4703      | Mélange de jeunes pousses                  | Baby leaves     | S. Havana Ad2728                                    | Sunflower       | Seeding 48h 2-8°C | /                  | 1-3-3-3-4                  | 2,8  | +             | 3        | b    |
| ADRIA-2017    | 4704      | Graines germées (alfalfa, roquette)        | Sprouts         | S. Virchow Ad2569                                   | Zucchini        | Seeding 48h 2-8°C | /                  | 3-3-2-4-1                  | 2,6  | +             | 3        | b    |
| ADRIA-2017    | 4705      | Graines germées alfalfa                    | Sprouts         | S. Livingstone Ad2566                               | Potatoes        | Seeding 48h 2-8°C | /                  | 1-1-4-1-1                  | 1,6  | +             | 3        | b    |
| ADRIA-2017    | 4706      | Betterave                                  | Beet            | S. Havana Ad2728                                    | Sunflower       | Seeding 48h 2-8°C | /                  | 1-3-3-3-4                  | 2,8  | +             | 3        | c    |

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|               |           |  |  | Strain  | Origin      | Injury protocol                          | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |  |  |   |             |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 4707      | Carottes rapées  | Grated carrots   | S. Virchow Ad2569                                   | Zucchini    | Seeding 48h 2-8°C                        | /                  | 3-3-2-4-1                  | 2,6  | -             | 3        | c    |
| ADRIA-2017    | 4708      | Celeri remoulade                                       | Celery   | S. Livingstone Ad2566                               | Potatoes    | Seeding 48h 2-8°C                        | /                  | 1-1-4-1-1                  | 1,6  | -             | 3        | c    |
| ADRIA-2017    | 4709      | Coleslow   | Coleslow   | S. Havana Ad2728                                    | Sunflower   | Seeding 48h 2-8°C                        | /                  | 1-3-3-3-4                  | 2,8  | -             | 3        | c    |
| ADRIA-2017    | 4710      | Salade de fruits tropicale                             | Tropical fruits salad                                  | S. Virchow Ad2569                                   | Zucchini    | Seeding 48h 2-8°C                        | /                  | 3-3-2-4-1                  | 2,6  | +             | 3        | c    |
| ADRIA-2017    | 5240      | Terrine pour chat au saumon                            | Cat food (salmon)                                      | S. Tennessee Ad2720                                 | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,39               | 6-6-5-4-4                  | 5,0  | +             | 5        | a    |
| ADRIA-2017    | 5241      | Terrine pour chien à la volaille                       | Dog food (poultry)                                     | S. Tennessee Ad2720                                 | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,39               | 6-6-5-4-4                  | 5,0  | +             | 5        | a    |
| ADRIA-2017    | 5242      | Terrine pour chat au bœuf                              | Cat food (beef)  | S. Mbandaka Ad2710                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,98               | 3-4-1-3-4                  | 3,0  | +             | 5        | a    |
| ADRIA-2017    | 5243      | Terrine pour chien au bœuf                             | Dog food (beef)  | S. Mbandaka Ad2710                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,98               | 3-4-1-3-4                  | 3,0  | +             | 5        | a    |
| ADRIA-2017    | 5244      | Terrine pour chat au lapin                             | Cat food (rabbit)                                      | S. Infantis Ad2709                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,81               | 6-6-2-2-3                  | 3,8  | +             | 5        | a    |
| ADRIA-2017    | 5245      | Croquettes pour chien                                  | Pellets for dog  | S. Infantis Ad2709                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,81               | 6-6-2-2-3                  | 3,8  | -             | 5        | b    |
| ADRIA-2017    | 5246      | Croquettes pour chat thon, saumon, légumes et céréales | Pellets for cat (tuna, salmon, vegetables and cereals) | S. Tennessee Ad2720                                 | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,39               | 6-6-5-4-4                  | 5,0  | +             | 5        | b    |
| ADRIA-2017    | 5247      | Croquettes pour chat bœuf, poulet, foie                | Pellets for cat (beef, poultry, liver)                 | S. Mbandaka Ad2710                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,98               | 3-4-1-3-4                  | 3,0  | +             | 5        | b    |
| ADRIA-2017    | 5248      | Snack pour chien                                       | Dry dog food   | S. Infantis Ad2709                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,81               | 6-6-2-2-3                  | 3,8  | +             | 5        | b    |
| ADRIA-2017    | 5249      | Tablettes au bœuf                                      | Dry dog food   | S. Tennessee Ad2720                                 | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,39               | 6-6-5-4-4                  | 5,0  | +             | 5        | b    |
| ADRIA-2017    | 5250      | Mini stick pour chien                                  | Dry dog food   | S. Mbandaka Ad2710                                  | Animal feed | Spiking heat treatment 8 minutes at 56°C | 0,98               | 3-4-1-3-4                  | 3,0  | +             | 5        | b    |
| ADRIA-2017    | 5360      | Bethmale au lait cru                                   | Raw milk cheese  | S. Ohio Ad1482                                      | Raw milk    | Seeding 48h 2-8°C                        | /                  | 3-2-2-2-4                  | 2,6  | -             | 2        | a    |
| ADRIA-2017    | 5361      | Camembert au lait cru                                  | Raw milk cheese  | S. Ohio Ad1482                                      | Raw milk    | Seeding 48h 2-8°C                        | /                  | 3-2-2-2-4                  | 2,6  | -             | 2        | a    |
| ADRIA-2017    | 5362      | Carottes rapées  | Grated carrots   | S. Infantis Ad1646                                  | Compost     | Seeding 48h 2-8°C                        | /                  | 6-4-4-5-5                  | 4,8  | -             | 3        | c    |

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|               |           |                            |                        | Strain  | Origin               | Injury protocol                    | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |                            |                        |   |                      |                                    |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 5363      | Céleri                     | Celery                 | S. Infantis Ad1646                                  | Compost              | Seeding 48h 2-8°C                  | /                  | 6-4-4-5-5                  | 4,8  | +             | 3        | c    |
| ADRIA-2017    | 5364      | Concombres                 | Cucumbers              | S. Infantis Ad1646                                  | Compost              | Seeding 48h 2-8°C                  | /                  | 6-4-4-5-5                  | 4,8  | +             | 3        | c    |
| ADRIA-2017    | 7088      | Camembert au lait cru      | Raw milk cheese        | S. Montevideo Ad912                                 | Raw milk             | Seeding 48h 2-8°C                  | /                  | 2-1-3-2-6                  | 2,8  | +             | 2        | a    |
| ADRIA-2017    | 7089      | Roquefort au lait cru      | Raw milk cheese        | S. Montevideo Ad912                                 | Raw milk             | Seeding 48h 2-8°C                  | /                  | 2-1-3-2-6                  | 2,8  | +             | 2        | a    |
| ADRIA-2017    | 2606      | Poudre de cacao            | Cocoa powder           | S. Infantis Ad1685                                  | Gelatine             | Spiking HT 8min 56°C               | 1,7                | 1-2-1-2-2                  | 1,6  | -             | 6        | a    |
| ADRIA-2017    | 2607      | Poudre de cacao            | Cocoa powder           | S. Montevideo Ad1686                                | Gelatine             | Spiking HT 8min 56°C               | 0,8                | 1-1-0-0-0                  | 0,4  | +             | 6        | a    |
| ADRIA-2017    | 2608      | Poudre de cacao            | Cocoa powder           | S. Infantis Ad1646                                  | Environmental sample | Spiking HT 8min 56°C               | 1,0                | 0-2-0-2-1                  | 1    | +             | 6        | a    |
| ADRIA-2017    | 2609      | Poudre de cacao bio        | Cocoa powder           | S. Infantis Ad1685                                  | Gelatine             | Spiking HT 8min 56°C               | 1,7                | 1-2-1-2-2                  | 1,6  | +             | 6        | a    |
| ADRIA-2017    | 2610      | Poudre de cacao bio        | Cocoa powder           | S. Montevideo Ad1686                                | Gelatine             | Spiking HT 8min 56°C               | 0,8                | 1-1-0-0-0                  | 0,4  | +             | 6        | a    |
| ADRIA-2017    | 2611      | Chocolat au lait           | Milk chocolate         | S. Infantis Ad1646                                  | Environmental sample | Spiking HT 8min 56°C               | 1,0                | 0-2-0-2-1                  | 1    | +             | 6        | b    |
| ADRIA-2017    | 2612      | Chocolat blanc             | White chocolate        | S. Infantis Ad1685                                  | Gelatine             | Spiking HT 8min 56°C               | 1,7                | 1-2-1-2-2                  | 1,6  | +             | 6        | b    |
| ADRIA-2017    | 2613      | Chocolat noir              | Dark chocolate         | S. Montevideo Ad1686                                | Gelatine             | Spiking HT 8min 56°C               | 0,8                | 1-1-0-0-0                  | 0,4  | +             | 6        | b    |
| ADRIA-2017    | 2614      | Liqueur de cacao naturelle | Cocoa liquor           | S. Montevideo Ad1686                                | Gelatine             | Spiking HT 8min 56°C               | 0,8                | 1-1-0-0-0                  | 0,4  | -             | 6        | c    |
| ADRIA-2017    | 2615      | Liqueur de cacao alkalisée | Alkalized cocoa liquor | S. Infantis Ad1646                                  | Environmental sample | Spiking HT 8min 56°C               | 1,0                | 0-2-0-2-1                  | 1    | +             | 6        | c    |
| ADRIA-2017    | 2616      | Masse de cacao             | Cocoa mass             | S. Infantis Ad1685                                  | Gelatine             | Spiking HT 8min 56°C               | 1,7                | 1-2-1-2-2                  | 1,6  | +             | 6        | c    |
| ADRIA-2017    | 2635      | Chocolat noir              | Dark chocolate         | S. Bareilly Ad 1687                                 | Environmental sample | Seeding 1 week at room temperature | /                  | 44-40-20-15-30             | 23,8 | -             | 6        | b    |
| ADRIA-2017    | 2636      | Chocolat blanc             | White chocolate        | S. Bareilly Ad 1687                                 | Environmental sample | Seeding 1 week at room temperature | /                  | 44-40-20-15-30             | 23,8 | -             | 6        | b    |
| ADRIA-2017    | 2637      | Chocolat au lait           | Milk chocolate         | S. Stanley Ad1688                                   | Environmental sample | Seeding 1 week at room temperature | /                  | 12-11-18-12-17             | 14   | -             | 6        | b    |
| ADRIA-2017    | 2638      | Liqueur de cacao naturelle | Cocoa liquor           | S. Typhimurium Ad2034                               | Cocoa beans          | Seeding 1 week at room temperature | /                  | 25-12-15-14-14             | 16   | -             | 6        | c    |

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|---------------|-----------|---|---|---|----------------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |   |   | Strain  | Origin               | Injury protocol  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |   |   |   |                      |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 2639      | Fèves de cacao                          | Cocoa beans                             | S. Bareilly Ad 1687                                 | Environmental sample | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 2,3  | +             | 6        | c    |
| ADRIA-2017    | 2640      | Fèves de cacao                          | Cocoa beans                             | S. Stanley Ad1688                                   | Environmental sample | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 4,5  | -             | 6        | c    |
| ADRIA-2017    | 2641      | Poudre de cacao alkalisée               | Alkalized cocoa powder                  | S. Typhimurium Ad2034                               | Cocoa beans          | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 0,4  | +             | 6        | a    |
| ADRIA-2017    | 2642      | Poudre de cacao bio                     | Cocoa powder                            | S. Bareilly Ad 1687                                 | Environmental sample | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 2,3  | +             | 6        | a    |
| ADRIA-2017    | 2643      | Poudre de cacao                         | Cocoa powder                            | S. Bareilly Ad 1687                                 | Environmental sample | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 2,3  | +             | 6        | a    |
| ADRIA-2017    | 2644      | Poudre de cacao                         | Cocoa powder                            | S. Stanley Ad1688                                   | Environmental sample | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 4,5  | +             | 6        | a    |
| ADRIA-2017    | 2645      | Poudre de cacao                         | Cocoa powder                            | S. Typhimurium Ad2034                               | Cocoa beans          | Seeding lyophilized strain 1 week at room temperature  | /                  | /                          | 0,4  | +             | 6        | a    |
| ADRIA-2017    | 2907      | Chocolat au lait au caramel (31% cacao) | Milk chocolate with caramel (31% cocoa) | S. Typhimurium Ad1333                               | Tiramisu             | Seeding 10 days at room temperature                    | /                  | 18-25-16-25-26             | 22   | -             | 6        | b    |
| ADRIA-2017    | 2908      | Chocolat au lait au caramel (31% cacao) | Milk chocolate with caramel (31% cocoa) | S. Bovismorbificans 728                             | Gelatine             | Seeding 10 days at room temperature                    | /                  | 8-10-7-6-6                 | 7,4  | +             | 6        | b    |
| ADRIA-2017    | 2909      | Chocolat au lait (41% cacao)            | Milk chocolate (41% cocoa)              | S. Agona Ad1483                                     | Tiramisu             | Seeding 10 days at room temperature                    | /                  | 5-10-10-15-17              | 11,4 | -             | 6        | b    |
| ADRIA-2017    | 2910      | Drops de chocolat noir (50% cacao)      | Dark chocolate (50% cocoa)              | S. Bareilly Ad 1687                                 | Environmental sample | Seeding lyophilized strain 10 days at room temperature | /                  | /                          | 1,5  | +             | 6        | b    |
| ADRIA-2017    | 2911      | Pistoles de chocolat noir (50% cacao)   | Dark chocolate (50% cocoa)              | S. Stanley Ad1688                                   | Environmental sample | Seeding lyophilized strain 10 days at room temperature | /                  | /                          | 4,5  | +             | 6        | b    |
| ADRIA-2017    | 2912      | Pistoles de chocolat noir (50% cacao)   | Dark chocolate (50% cocoa)              | S. Typhimurium Ad2034                               | Cocoa beans          | Seeding lyophilized strain 10 days at room temperature | /                  | /                          | 12,5 | +             | 6        | b    |
| ADRIA-2017    | 2913      | Beurre de cacao                         | Cocoa butter                            | S. Typhimurium Ad1333                               | Tiramisu             | Seeding 10 days at room temperature                    | /                  | 8-9-7-8-9                  | 8,2  | +             | 6        | c    |

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|---------------|-----------|-------------------------------------|----------------------------|---|----------------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |                                     |                            | Strain  | Origin               | Injury protocol                                  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |                                     |                            |   |                      |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 2914      | Beurre de cacao                     | Cocoa butter               | S. Bovismorbificans 728                             | Gelatine             | Seeding 10 days at room temperature              | /                  | 4-3-2-5-5                  | 3,8  | +             | 6        | c    |
| ADRIA-2017    | 2915      | Beurre de cacao                     | Cocoa butter               | S. Agona Ad1483                                     | Tiramisu             | Seeding 10 days at room temperature              | /                  | 5-4-4-11-10                | 6,8  | +             | 6        | c    |
| ADRIA-2017    | 3260      | Chocolat en poudre (32% de cacao)   | Cocoa powder (cocoa 32%)   | S. Kentucky Ad1755                                  | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 5,3  | +             | 6        | a    |
| ADRIA-2017    | 3261      | Chocolat en poudre (32% de cacao)   | Cocoa powder (cocoa 32%)   | S. Ouakam Ad1647                                    | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 2    | +             | 6        | a    |
| ADRIA-2017    | 3262      | Chocolat en poudre (31,7% de cacao) | Cocoa powder (cocoa 31,7%) | S. Braenderup Ad1661                                | Chocolate industry   | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 6    | +             | 6        | a    |
| ADRIA-2017    | 3263      | Chocolat en poudre (31,7% de cacao) | Cocoa powder (cocoa 31,7%) | S. Mbandaka Ad1723                                  | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 10,5 | -             | 6        | a    |
| ADRIA-2017    | 3264      | Chocolat en poudre (32% de cacao)   | Cocoa powder (cocoa 32%)   | S. Kentucky Ad1755                                  | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 5,3  | +             | 6        | a    |
| ADRIA-2017    | 3265      | Chocolat en poudre (32% de cacao)   | Cocoa powder (cocoa 32%)   | S. Ouakam Ad1647                                    | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 2    | +             | 6        | a    |
| ADRIA-2017    | 3266      | Poudre cacaotée (32% de cacao)      | Cocoa powder (cocoa 32%)   | S. Braenderup Ad1661                                | Chocolate industry   | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 6    | -             | 6        | a    |
| ADRIA-2017    | 3267      | Poudre cacaotée (32% de cacao)      | Cocoa powder (cocoa 32%)   | S. Mbandaka Ad1723                                  | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 10,5 | +             | 6        | a    |
| ADRIA-2017    | 3268      | Poudre de cacao (21,3% de cacao)    | Cocoa powder (cocoa 21,3%) | S. Kentucky Ad1755                                  | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 5,3  | +             | 6        | a    |
| ADRIA-2017    | 3269      | Poudre de cacao (21,3% de cacao)    | Cocoa powder (cocoa 21,3%) | S. Ouakam Ad1647                                    | Environmental sample | Seeding lyophilized strain 1 week at temperature | /                  | /                          | 2    | -             | 6        | a    |
| ADRIA-2017    | 4256      | Beurre de cacao                     | Cocoa butter               | S. Anatum A00E007                                   | Environmental sample | Seeding 2 weeks at room temperature              | /                  | 10-17-13-11-7              | 11,6 | -             | 6        | c    |



| Date analysis | Sample no | Product (French name)             | Product                                | Artificial contaminations (Study realised by ADRIA) |                      |  |                    |                            |      | Global result | Category | Type |
|---------------|-----------|-----------------------------------|--|---|----------------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |                                   |  | Strain  | Origin               | Injury protocol  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |                                   |  |   |                      |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 4257      | Fèves de cacao                    | Cocoa beans                            | S. Anatum A00E007                                   | Environmental sample | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 6,25 | -             | 6        | c    |
| ADRIA-2017    | 4258      | Crumbs                            | Crumbs                                 | S. Virchow F276                                     | Curry                | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 2,6  | +             | 6        | c    |
| ADRIA-2017    | 4259      | Crumbs                            | Crumbs                                 | S. Anatum A00E007                                   | Environmental sample | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 6,25 | -             | 6        | c    |
| ADRIA-2017    | 4260      | Liqueur de cacao                  | Cocoa liquor                           | S. Anatum A00E007                                   | Environmental sample | Seeding 2 weeks at room temperature                    | /                  | 19-23-17-19-21             | 19,8 | -             | 6        | c    |
| ADRIA-2017    | 4261      | Chocolat noir (50% cacao)         | Dark chocolate (50% cocoa)             | S. Anatum A00E007                                   | Environmental sample | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 6,3  | -             | 6        | b    |
| ADRIA-2017    | 4262      | Chocolat lait-caramel (31% cacao) | Milk chocolate and caramel (31% cocoa) | S. Anatum A00E007                                   | Environmental sample | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 6,3  | +             | 6        | b    |
| ADRIA-2017    | 4263      | Chocolat au lait (47% cacao)      | Milk chocolate (47% cocoa)             | S. Virchow F276                                     | Curry                | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 2,6  | +             | 6        | b    |
| ADRIA-2017    | 4264      | Chocolat noir (50% cacao)         | Dark chocolate (50% cocoa)             | S. Virchow F276                                     | Curry                | Seeding 2 weeks at room temperature                    | /                  | 27-25-27-31-22             | 26,4 | -             | 6        | b    |
| ADRIA-2017    | 4265      | Chocolat noir (65% cacao)         | Dark chocolate (65% cocoa)             | S. Virchow F276                                     | Curry                | Seeding 2 weeks at room temperature                    | /                  | 27-25-27-31-22             | 26,4 | -             | 6        | b    |
| ADRIA-2017    | 4487      | Poudre de lait écrémé             | Skim milk powder                       | S. Infantis 401B                                    | Raw milk             | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <3,1 | +             | 7        | a    |
| ADRIA-2017    | 4488      | Poudre de lait écrémé             | Skim milk powder                       | S. Infantis 401B                                    | Raw milk             | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <3,1 | +             | 7        | a    |
| ADRIA-2017    | 4489      | Poudre de lait écrémé             | Skim milk powder                       | S. Montevideo Ad912                                 | Raw milk             | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,3 | +             | 7        | a    |
| ADRIA-2017    | 4490      | Poudre de lait demi-écrémé        | Half-skim milk powder                  | S. Montevideo Ad912                                 | Raw milk             | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,3 | -             | 7        | a    |

| Date analysis | Sample no | Product (French name)  | Product  | Artificial contaminations (Study realised by ADRIA) |                |  |                    |                            |      | Global result | Category | Type |
|---------------|-----------|--|--|---|----------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |  |  | Strain  | Origin         | Injury protocol  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |  |  |   |                |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 4491      | Lait en poudre   | Milk powder  | S. Mbandaka Ad2296                                  | Raw milk       | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 3    | -             | 7        | a    |
| ADRIA-2017    | 4492      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Mbandaka Ad2296                                  | Raw milk       | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 3    | -             | 7        | b    |
| ADRIA-2017    | 4493      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Mbandaka Ad2296                                  | Raw milk       | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 3    | -             | 7        | b    |
| ADRIA-2017    | 4494      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Virchow Ad1721                                   | Infant cereals | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | b    |
| ADRIA-2017    | 4495      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Virchow Ad1721                                   | Infant cereals | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | b    |
| ADRIA-2017    | 4496      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Virchow Ad1721                                   | Infant cereals | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | b    |
| ADRIA-2017    | 4497      | Lait infantile avec probiotiques (3,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (3,2.10 <sup>6</sup> CFU/g) | S. Virchow Ad1721                                   | Infant cereals | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | -             | 7        | c    |
| ADRIA-2017    | 4498      | Lait infantile avec probiotiques (6,4.10 <sup>5</sup> UFC/g) | Infant formula with probiotics (6,4.10 <sup>5</sup> CFU/g) | S. Virchow Ad1721                                   | Infant cereals | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | c    |
| ADRIA-2017    | 4499      | Lait infantile avec probiotiques (5,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (5,2.10 <sup>6</sup> CFU/g) | S. Infantis 401B                                    | Raw milk       | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <3,1 | -             | 7        | c    |
| ADRIA-2017    | 4500      | Lait infantile avec probiotiques (2,3.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (2,3.10 <sup>6</sup> CFU/g) | S. Montevideo Ad912                                 | Raw milk       | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,3 | -             | 7        | c    |
| ADRIA-2017    | 4501      | Lait infantile avec probiotiques (2,0.10 <sup>5</sup> UFC/g) | Infant formula with probiotics (2,0.10 <sup>5</sup> CFU/g) | S. Mbandaka Ad2296                                  | Raw milk       | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 3    | +             | 7        | c    |
| ADRIA-2017    | 5540      | Lait entier en poudre  | Milk powder  | S. Cerro Ad2707                                     | Milk powder    | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | -             | 7        | a    |

| Date analysis | Sample no | Product (French name)  | Product  | Artificial contaminations (Study realised by ADRIA) |             |  |                    |                            |      | Global result | Category | Type |
|---------------|-----------|--|--|---|-------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |  |  | Strain  | Origin      | Injury protocol  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |  |  |   |             |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 5541      | Lait en poudre écrémé  | Skim milk powder   | S. Cerro Ad2707                                     | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | a    |
| ADRIA-2017    | 5542      | Lait en poudre écrémé  | Skim milk powder   | S. Anatum Ad2706                                    | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,4  | +             | 7        | a    |
| ADRIA-2017    | 5543      | Lait en poudre écrémé  | Skim milk powder   | S. Anatum Ad2706                                    | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,4  | -             | 7        | a    |
| ADRIA-2017    | 5544      | Lait en poudre écrémé  | Skim milk powder   | S. Livingstone Ad2705                               | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,7 | -             | 7        | a    |
| ADRIA-2017    | 5545      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Cerro Ad2707                                     | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | b    |
| ADRIA-2017    | 5546      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Cerro Ad2707                                     | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | b    |
| ADRIA-2017    | 5547      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Anatum Ad2706                                    | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,4  | +             | 7        | b    |
| ADRIA-2017    | 5548      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Livingstone Ad2705                               | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,7 | +             | 7        | b    |
| ADRIA-2017    | 5549      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Livingstone Ad2705                               | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,7 | +             | 7        | b    |
| ADRIA-2017    | 5550      | Lait infantile avec probiotiques (2,0.10 <sup>7</sup> CFU/g) | Infant formula with probiotics (2,0.10 <sup>7</sup> CFU/g) | S. Cerro Ad2707                                     | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | c    |
| ADRIA-2017    | 5551      | Lait infantile avec probiotiques (2,4.10 <sup>5</sup> CFU/g) | Infant formula with probiotics (2,4.10 <sup>5</sup> CFU/g) | S. Cerro Ad2707                                     | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | c    |
| ADRIA-2017    | 5552      | Lait infantile avec probiotiques (3,0.10 <sup>5</sup> CFU/g) | Infant formula with probiotics (3,0.10 <sup>5</sup> CFU/g) | S. Anatum Ad2706                                    | Milk powder | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,4  | +             | 7        | c    |

| Date analysis | Sample no | Product (French name)  | Product  | Artificial contaminations (Study realised by ADRIA) |               |  |                    |                            |      | Global result | Category | Type |
|---------------|-----------|--|--|---|---------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |  |  | Strain  | Origin        | Injury protocol  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |  |  |   |               |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 5553      | Lait infantile avec probiotiques (1,4.10 <sup>7</sup> CFU/g) | Infant formula with probiotics (1,4.10 <sup>7</sup> CFU/g) | S. Anatum Ad2706                                    | Milk powder   | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,4  | +             | 7        | c    |
| ADRIA-2017    | 5554      | Lait infantile avec probiotiques (1,0.10 <sup>7</sup> CFU/g) | Infant formula with probiotics (1,0.10 <sup>7</sup> CFU/g) | S. Livingstone Ad2705                               | Milk powder   | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,7 | +             | 7        | c    |
| ADRIA-2017    | 5555      | Lait infantile avec probiotiques (6,7.10 <sup>6</sup> CFU/g) | Infant formula with probiotics (6,7.10 <sup>6</sup> CFU/g) | S. Livingstone Ad2705                               | Milk powder   | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | <1,7 | +             | 7        | c    |
| ADRIA-2017    | 7194      | Lait en poudre écrémé  | Skim milk powder   | S. Tennessee Ad1171                                 | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,3  | -             | 7        | a    |
| ADRIA-2017    | 7195      | Lait en poudre écrémé  | Skim milk powder   | S. Norwich Ad1172                                   | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | a    |
| ADRIA-2017    | 7196      | Lait en poudre écrémé  | Skim milk powder   | S. Anatum Ad2718                                    | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 1,1  | -             | 7        | a    |
| ADRIA-2017    | 7197      | Lait en poudre écrémé  | Skim milk powder   | S. Tennessee Ad1171                                 | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,3  | -             | 7        | a    |
| ADRIA-2017    | 7198      | Lait en poudre demi-écrémé                                   | Half-skim milk powder                                      | S. Norwich Ad1172                                   | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | a    |
| ADRIA-2017    | 7199      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Anatum Ad2718                                    | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 1,1  | -             | 7        | b    |
| ADRIA-2017    | 7200      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Tennessee Ad1171                                 | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,3  | -             | 7        | b    |
| ADRIA-2017    | 7201      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Norwich Ad1172                                   | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | +             | 7        | b    |
| ADRIA-2017    | 7202      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Norwich Ad1172                                   | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | -             | 7        | b    |

| Date analysis | Sample no | Product (French name)  | Product  | Artificial contaminations (Study realised by ADRIA) |               |  |                    |                            |      | Global result | Category | Type |
|---------------|-----------|--|--|---|---------------|--|--------------------|----------------------------|------|---------------|----------|------|
|               |           |  |  | Strain  | Origin        | Injury protocol  | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |  |  |   |               |  |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 7203      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Anatum Ad2718                                    | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 1,1  | -             | 7        | b    |
| ADRIA-2017    | 7204      | Lait infantile avec probiotiques (4,8.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (4,8.10 <sup>6</sup> CFU/g) | S. Anatum Ad2718                                    | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 1,1  | -             | 7        | c    |
| ADRIA-2017    | 7205      | Lait infantile avec probiotiques (3,3.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (3,3.10 <sup>6</sup> CFU/g) | S. Tennessee Ad1171                                 | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,3  | -             | 7        | c    |
| ADRIA-2017    | 7206      | Lait infantile avec probiotiques (4,0.10 <sup>4</sup> UFC/g) | Infant formula with probiotics (4,0.10 <sup>4</sup> CFU/g) | S. Norwich Ad1172                                   | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 0,8  | -             | 7        | c    |
| ADRIA-2017    | 7207      | Lait infantile avec probiotiques (2,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (2,2.10 <sup>6</sup> CFU/g) | S. Anatum Ad2718                                    | Dairy product | Seeding lyophilized strain 2 weeks at room temperature | /                  | /                          | 1,1  | -             | 7        | c    |
| ADRIA-2017    | 7423      | Lait infantile avec probiotiques (4,8.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (4,8.10 <sup>6</sup> UFC/g) | S. Anatum Ad2707                                    | Milk powder   | Seeding lyophilized strain 19 days at room temperature | /                  | /                          | 1,1  | -             | 7        | c    |
| ADRIA-2017    | 7424      | Lait infantile avec probiotiques (3,3.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (3,3.10 <sup>6</sup> UFC/g) | S. Anatum Ad2707                                    | Milk powder   | Seeding lyophilized strain 19 days at room temperature | /                  | /                          | 1,1  | -             | 7        | c    |
| ADRIA-2017    | 7425      | Lait infantile avec probiotiques (4,0.10 <sup>4</sup> UFC/g) | Infant formula with probiotics (4,0.10 <sup>4</sup> UFC/g) | S. Livingstone Ad2705                               | Milk powder   | Seeding lyophilized strain 19 days at room temperature | /                  | /                          | 7    | +             | 7        | c    |
| ADRIA-2017    | 7426      | Lait infantile avec probiotiques (2,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (2,2.10 <sup>6</sup> UFC/g) | S. Livingstone Ad2705                               | Milk powder   | Seeding lyophilized strain 19 days at room temperature | /                  | /                          | 7    | +             | 7        | c    |
| ADRIA-2017    | 7708      | Lait en poudre écrémé  | Skim milk powder   | S. Anatum 26  | Dairy product | Spiking HT 8min 56°C                                   | 1,2                | 5-4-5-5-6                  | 5    | +             | 7        | a    |
| ADRIA-2017    | 7709      | Lait en poudre cuisine                                       | Milk powder  | S. Montevideo 604                                   | Raw milk      | Spiking HT 8min 56°C                                   | 1,3                | 6-4-4-4-5                  | 4,6  | +             | 7        | a    |
| ADRIA-2017    | 7710      | Lait en poudre écrémé  | Skim milk powder   | S. Anatum Ad1167                                    | Dairy product | Spiking HT 8min 56°C                                   | 1,7                | 7-5-6-4-4                  | 5,2  | +             | 7        | a    |
| ADRIA-2017    | 7711      | Lait en poudre demi-écrémé                                   | Half-skim milk powder                                      | S. Anatum 26  | Dairy product | Spiking HT 8min 56°C                                   | 1,2                | 5-4-5-5-6                  | 5    | +             | 7        | a    |
| ADRIA-2017    | 7712      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | S. Montevideo 604                                   | Raw milk      | Spiking HT 8min 56°C                                   | 1,3                | 6-4-4-4-5                  | 4,6  | +             | 7        | b    |

| Date analysis | Sample no | Product (French name)            | Product                           | Artificial contaminations (Study realised by ADRIA) |               |                      |                    |                            |      | Global result | Category | Type |
|---------------|-----------|----------------------------------|-----------------------------------|---|---------------|----------------------|--------------------|----------------------------|------|---------------|----------|------|
|               |           |                                  |                                   | Strain  | Origin        | Injury protocol      | Injury measurement | Inoculation level / sample |      |               |          |      |
|               |           |                                  |                                   |   |               |                      |                    | Enumeration                | Mean |               |          |      |
| ADRIA-2017    | 7713      | Lait infantile sans probiotiques | Infant formula without probiotics | S. Anatum Ad1167                                    | Dairy product | Spiking HT 8min 56°C | 1,7                | 7-5-6-4-4                  | 5,2  | +             | 7        | b    |
| ADRIA-2018    | 2297      | Jambon blanc                     | Ham                               | S. Enteritidis 2532                                 | Ham           | Seeding 2-8°C        | /                  | 0-3-4-4-3                  | 2,8  | +             | 1        | c    |
| ADRIA-2018    | 2298      | Mortadelle                       | Mortadella                        | S. Enteritidis 2532                                 | Ham           | Seeding 2-8°C        | /                  | 0-3-4-4-3                  | 2,8  | -             | 1        | c    |
| ADRIA-2018    | 2299      | Pâté de campagne                 | Pâté                              | S. Typhimurium 4874                                 | Pâté          | Seeding 2-8°C        | /                  | 0-2-3-1-2                  | 1,6  | +             | 1        | c    |
| ADRIA-2018    | 2300      | Pâté de foie                     | Liver pâté                        | S. Typhimurium 4874                                 | Pâté          | Seeding 2-8°C        | /                  | 0-2-3-1-2                  | 1,6  | +             | 1        | c    |
| ADRIA-2018    | 2301      | Saucisson à l'ail                | Garlic sausage                    | S. Enteritidis 2532                                 | Ham           | Seeding 2-8°C        | /                  | 0-3-4-4-3                  | 2,8  | +             | 1        | c    |

## Appendix 4 – Sensitivity study: raw data

### IPL Legend:

#### Total bacteria growth

Ø : no growth

L = low

M = medium

H = high

#### Distribution of flora

A = pure culture of suspicious colonies

B = mix with a majority of suspicious colonies

C = mix with a minority of suspicious colonies

D = mix with rare suspicious colonies

E = absence of suspicious colonies

(x) : x typical colonies of *Salmonella* if  $x \leq 5$

*Cf* : *Citrobacter freundii*

*Ec* : *Escherichia coli*

*En* : *Enterobacter*

*Ha* : *Hafnia alvei*

*Pm* : *Proteus mirabilis*

*a* : incubation of M broth for 24h of overtime

*b* : realization of a new M broth from RVS broth incubated 24h

### ADRIA Legend

#### **Bold typing: artificially inoculated samples**

#### **Salmonella detection results:**

m: minority level of target analyte

M : majority level of target analyte

P: pure culture level of target analyte

1/2 : 50% level of target analyte

(x): number of colonies in the plate

(ia): inoculation area

-: no typical colonies but presence of background microflora

st: plate without any colony

PA: positive agreement

NA: negative agreement

ND: negative deviation

PD: positive deviation

PPNA: positive presumptive negative agreement

PPND: positive presumptive negative deviation

NC: non-characteristic colony

ADRIA-2017  
ADRIA-2018

♦Analyses performed according to the COFRAC accreditation

| MEAT PRODUCTS |           |                         |                   |                            |          |          |             |                |        |   |      |             |              |          |                |        |           |          |      |
|---------------|-----------|-------------------------|-------------------|----------------------------|----------|----------|-------------|----------------|--------|---|------|-------------|--------------|----------|----------------|--------|-----------|----------|------|
| Date analysis | Sample no | Product (French name)   | Product           | Reference method: ISO 6579 |          |          |             |                |        | Alternative method: VIDAS SLM (Single selective enrichment) |      |             |              |          |                |        | Agreement | Category | Type |
|               |           |                         |                   | RVS                        |          | MKTTn    |             | Identification | Result | RFV   | VT   | Test result | Confirmation |          |                | Result |           |          |      |
|               |           |                         |                   | XLD                        | SM ID2   | XLD      | SMID2       |                |        |   |      |             | XLD          | SM ID2   | ASAP           |        |           |          |      |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | -ME                        | -LE      | -ME      | -ME         | /              | -      |   | 0,03 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Cœur de bœuf            | Beef heart        | -HE                        | -ME      | -HE      | -LE         | /              | -      |   | 0,03 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Joues de porc           | Cheeks of pork    | -HE                        | -LE      | -HE      | -LE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Rognons de porc         | Pork kidneys      | -LE                        | -LE      | -HE      | -LE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Joue de porc            | Cheeks of pork    | -LE                        | -LE      | -LE      | -ME         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | ∅                          | ∅        | ∅        | ∅           | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | -ME                        | -ME      | -HD (En) | -HD (Ha)    | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Rognons de bœuf         | Pork kidneys      | -LE                        | ∅        | -LE      | -HD (Ha)    | /              | -      |   | 0,10 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Rognons de bœuf         | Pork kidneys      | -ME                        | -LE      | -HD (Cf) | -HD (Cf,Ha) | /              | -      |   | 0,05 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Foie de veau            | Veal liver        | -LD (Cf)                   | -MD (Ha) | -HE      | -HE         | /              | -      |   | 0,09 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Foie de porc            | Pork liver        | -ME                        | -ME      | -HE      | -HE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Steak de cheval         | Horse meat        | -ME                        | -ME      | -HE      | -HE         | /              | -      |   | 0,05 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Viande de cheval        | Horse meat        | -LE                        | -LE      | -HE      | -HE         | /              | -      |   | 0,05 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Viande bovine           | Beef meat         | -ME                        | -ME      | -HE      | -HE         | /              | -      |   | 0,03 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Côte de porc            | Pork meat         | -ME                        | -ME      | -ME      | -ME         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Filet de porc           | Pork meat         | -ME                        | -ME      | -HE      | -HE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | a    |
| IPL-2002      | 2002      | Joue de porc            | Cheeks of pork    | +MD                        | -LD (En) | +MB      | +MB         | Salmonella spp | +      |   | 1,70 | +           | +MD          | -LD (En) | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | +LD                        | +LD      | +MD      | +LD         | Salmonella spp | +      |   | 2,60 | +           | +LD          | +LD      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Rôti de porc            | Pork meat         | +LB                        | +LB      | +HB      | +MB         | Salmonella spp | +      |   | 2,25 | +           | +LB          | +LB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | +LB                        | +LC      | +LC      | +LB         | Salmonella spp | +      |   | 2,68 | +           | +LB          | +LC      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Foie de porc            | Pork liver        | +LB                        | +LC      | +HC      | +MB         | Salmonella spp | +      |   | 2,15 | +           | +LB          | +LC      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | +MB                        | +MC      | +HC      | +HC         | Salmonella spp | +      |   | 2,94 | +           | +MB          | +MC      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Poitrine de veau        | Veal breast       | +LC                        | +LC      | +MB      | +MB         | Salmonella spp | +      |   | 2,29 | +           | +LC          | +LC      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Poitrine de porc        | Pork breast       | +MB                        | +MB      | +MB      | +MB         | Salmonella spp | +      |   | 2,49 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Langue de porc          | Pork tongue       | +MB                        | +MC      | +HC      | +HC         | Salmonella spp | +      |   | 2,94 | +           | +MB          | +MC      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Joue de porc            | Leeks of pork     | +MB                        | +MB      | +MB      | +LB         | Salmonella spp | +      |   | 2,45 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Rognons                 | Kidneys           | +MB                        | +MB      | +HB      | +HB         | Salmonella spp | +      |   | 2,20 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Viande hachée           | Ground beef       | +MB                        | +MB      | +MB      | +MB         | Salmonella spp | +      |   | 2,61 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Viande hachée           | Ground beef       | +MB                        | +MB      | +MB      | +MB         | Salmonella spp | +      |   | 2,48 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Rognons de porc         | Pork kidneys      | +MB                        | +MB      | +MB      | +MB         | Salmonella spp | +      |   | 2,36 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Rognons de porc         | Pork kidneys      | +MB                        | +MB      | +MB      | +MB         | Salmonella spp | +      |   | 2,92 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Viande hachée de cheval | Ground horse meat | +MB                        | +MB      | +MB      | +MB         | Salmonella spp | +      |   | 3,19 | +           | +MB          | +MB      | Salmonella spp | +      | PA        | 1        | a    |
| IPL-2002      | 2002      | Poule                   | Hen               | -ME                        | -LE      | -HE      | -LE         | /              | -      |   | 0,03 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Poulet                  | Chicken           | -ME                        | -LE      | -LE      | -LE         | /              | -      |   | 0,03 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Foies de poulet         | Chicken liver     | -ME                        | -LE      | -ME      | -LE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Foies de poulet         | Chicken liver     | -ME                        | -LE      | -HE      | -ME         | /              | -      |   | 0,03 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Foies de poulet         | Chicken liver     | -ME                        | -LE      | -ME      | -LE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Foies de canard         | Duck liver        | -ME                        | -LE      | -ME      | -MD (En)    | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Blancs de poulet        | Chicken meat      | -HE                        | -LE      | -HE      | -LD (En)    | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Poulet                  | Chicken           | -ME                        | -LE      | -LE      | -LE         | /              | -      |   | 0,04 | -           | /            | /        | /              | -      | NA        | 1        | b    |
| IPL-2002      | 2002      | Cuisse de pintade       | Guinea pool leg   | +HD                        | +MB      | -ME      | +MB         | Salmonella spp | +      |   | 2,69 | +           | +HD          | +MB      | Salmonella spp | +      | PA        | 1        | b    |
| IPL-2002      | 2002      | Foies de volaille       | Poultry liver     | +MB                        | +LC      | +MC      | +HB         | Salmonella spp | +      |   | 2,44 | +           | +MB          | +LC      | Salmonella spp | +      | PA        | 1        | b    |
| IPL-2002      | 2002      | Foies de volaille       | Polutry liver     | +HB                        | +LB      | +HB      | +HB         | Salmonella spp | +      |   | 2,46 | +           | +HB          | +LB      | Salmonella spp | +      | PA        | 1        | b    |
| IPL-2002      | 2002      | Cuisse de volaille      | Polutry leg       | +LB                        | +LB      | +HB      | +HB         | Salmonella spp | +      |   | 2,66 | +           | +LB          | +LB      | Salmonella spp | +      | PA        | 1        | b    |



| MEAT PRODUCTS |           |                                |                     |                            |        |       |       |                |        |   |      |             |               |        |      |                |           |          |      |                |
|---------------|-----------|--------------------------------|---------------------|----------------------------|--------|-------|-------|----------------|--------|---|------|-------------|---------------|--------|------|----------------|-----------|----------|------|----------------|
| Date analysis | Sample no | Product (French name)          | Product             | Reference method: ISO 6579 |        |       |       |                |        | Alternative method: VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |                |
|               |           |                                |                     | RVS                        |        | MKTTn |       | Identification | Result | RFV   | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |                |
|               |           |                                |                     | XLD                        | SM ID2 | XLD   | SMID2 |                |        |   |      |             | RVS streaking |        |      |                |           |          |      | Identification |
|               |           |                                |                     |                            |        |       |       |                |        |   |      |             | XLD           | SM ID2 | ASAP |                |           |          |      |                |
| IPL-2002      | 2002      | Cuisse de canette              | Duck leg            | +MB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |   | 2,75 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 1    | b              |
| IPL-2002      | 2002      | Abats de poulet                | Chicken giblets     | +LB                        | +LB    | +HB   | +HB   | Salmonella spp | +      |   | 2,35 | +           | +LB           | +LB    |      | Salmonella spp | +         | PA       | 1    | b              |
| IPL-2002      | 2002      | Poule                          | Hen                 | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      |   | 2,81 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 1    | b              |
| IPL-2002      | 2002      | Magret de canard               | Duck meat           | +MB                        | +MB    | +MA   | +MB   | Salmonella spp | +      |   | 2,34 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 1    | b              |
| IPL-2002      | 2002      | Cailles à cuire                | Quails              | +MB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |   | 1,68 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 1    | b              |
| IPL-2002      | 2002      | Escalope de dinde              | Turkey meat         | +MB                        | +MB    | +HB   | +MB   | Salmonella spp | +      |   | 3,11 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 1    | b              |
| ADRIA-2018    | 2587      | Aiguillette de balnc de poulet | Chicken meat        | -                          | -      | -     | -     | /              | -      | 249   | 0,07 | -           | -             | -      | -    | /              | -         | NA       | 1    | b              |
| ADRIA-2018    | 2588      | Escalope de dinde              | Turkey meat         | -                          | -      | -     | -     | /              | -      | 252   | 0,07 | -           | -             | -      | -    | /              | -         | NA       | 1    | b              |
| IPL-2002      | 2002      | Poitrine de porc               | Pork meat           | -ME                        | -ME    | -HE   | -ME   | /              | -      |   | 0,03 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Saucisse                       | Sausage             | -LE                        | -LE    | -LE   | -LE   | /              | -      |   | 0,05 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Lardons                        | Sliced bacon        | -ME                        | -LE    | Ø     | -LE   | /              | -      |   | 0,08 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Lardons                        | Sliced bacon        | -LE                        | Ø      | Ø     | Ø     | /              | -      |   | 0,03 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Saucisse de veau               | Veal sausage        | -ME                        | -LE    | -ME   | -LE   | /              | -      |   | 0,03 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Poitrine                       | Breast              | -LE                        | -LE    | -ME   | -ME   | /              | -      |   | 0,04 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Poitrine                       | Breast              | -ME                        | -ME    | -HE   | -HE   | /              | -      |   | 0,04 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Lardons fumés                  | Smoked sliced bacon | -LE                        | -LE    | -HE   | -HE   | /              | -      |   | 0,03 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Poitrine de porc               | Pork breast         | -ME                        | -ME    | -HE   | -HE   | /              | -      |   | 0,05 | -           | /             | /      |      | /              | -         | NA       | 1    | c              |
| IPL-2002      | 2002      | Poitrine                       | Breast              | +LB                        | +MB    | +HB   | +HD   | Salmonella spp | +      |   | 2,89 | +           | +LB           | +MB    |      | Salmonella spp | +         | PA       | 1    | c              |
| IPL-2002      | 2002      | Crépinette de porc             | Pork crépinette     | +MB                        | +MD    | +MB   | +MB   | Salmonella spp | +      |   | 2,33 | +           | +MB           | +MD    |      | Salmonella spp | +         | PA       | 1    | c              |
| IPL-2002      | 2002      | Saucisse de Toulouse           | Sausage             | +MB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |   | 2,78 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 1    | c              |
| IPL-2002      | 2002      | Chipolatas                     | Chipolatas          | +HB                        | +HB    | +HB   | +MB   | Salmonella spp | +      |   | 2,80 | +           | +HB           | +HB    |      | Salmonella spp | +         | PA       | 1    | c              |
| ADRIA-2018    | 2297      | Jambon blanc                   | Ham                 | +p                         | +p     | +p    | +p    | +              | +      | 8019  | 3,32 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 1    | c              |
| ADRIA-2018    | 2298      | Mortadelle                     | Mortadella          | st                         | st     | st    | st    | /              | -      | 256   | 0,07 | -           | st            | st     | st   |                | -         | NA       | 1    | c              |
| ADRIA-2018    | 2299      | Pâté de campagne               | Pâté                | +p                         | +p     | +p    | +p    | +              | +      | 7518  | 2,18 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 1    | c              |
| ADRIA-2018    | 2300      | Pâté de foie                   | Liver pâté          | +p                         | +p     | +p    | +p    | +              | +      | 7742  | 2,24 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 1    | c              |
| ADRIA-2018    | 2301      | Saucisson à l'ail              | Garlic sausage      | +p                         | +p     | +p    | +p    | +              | +      | 8098  | 2,35 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 1    | c              |
| ADRIA-2018    | 2308      | Saucisson à l'ail              | Garlic sausage      | st                         | st     | st    | st    | /              | -      | 247   | 0,07 | -           | st            | st     | st   | /              | -         | NA       | 1    | c              |
| ADRIA-2018    | 2394      | Mortadelle                     | Mortadella          | st                         | st     | st    | st    | /              | -      | 260   | 0,07 | -           | st            | st     | st   | /              | -         | NA       | 1    | c              |

| DAIRY PRODUCTS |           |                           |                         |                            |        |        |       |                   |        |   |      |             |               |        |      |                   |           |          |      |                |
|----------------|-----------|---------------------------|-------------------------|----------------------------|--------|--------|-------|-------------------|--------|---|------|-------------|---------------|--------|------|-------------------|-----------|----------|------|----------------|
| Date analysis  | Sample no | Product (French name)     | Product                 | Reference method: ISO 6579 |        |        |       |                   |        | Alternative method: VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                   | Agreement | Category | Type |                |
|                |           |                           |                         | RVS                        |        | MKTTn  |       | Identification    | Result | RFV   | VT   | Test result | Confirmation  |        |      | Result            |           |          |      |                |
|                |           |                           |                         | XLD                        | SM ID2 | XLD    | SMID2 |                   |        |   |      |             | RVS streaking |        |      |                   |           |          |      | Identification |
|                |           |                           |                         |                            |        |        |       |                   |        |   |      |             | XLD           | SM ID2 | ASAP |                   |           |          |      |                |
| IPL-2002       | 2002      | St Nectaire               | Raw milk cheese         | -LE                        | -LE    | -ME    | -ME   | /                 | -      |   | 0,07 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Fourme d'Ambert           | Raw milk cheese         | Ø                          | Ø      | Ø      | Ø     | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Carré du vinage           | Raw milk cheese         | Ø                          | Ø      | Ø      | Ø     | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Carré du vinage           | Raw milk cheese         | -ME                        | -ME    | -ME    | -ME   | /                 | -      |   | 0,07 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Morbier au lait cru       | Raw milk cheese         | -ME                        | -ME    | -ME    | -ME   | /                 | -      |   | 0,05 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Reblochon                 | Raw milk cheese         | -ME                        | -ME    | -ME    | -ME   | /                 | -      |   | 0,07 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Epoisses                  | Raw milk cheese         | -LE                        | -LE    | -HE    | -HE   | /                 | -      |   | 0,05 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Munster fermier           | Raw milk cheese         | -LE                        | -LE    | -ME    | -ME   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Reblochon                 | Raw milk cheese         | -ME                        | -ME    | -HE    | -HE   | /                 | -      |   | 0,05 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Maroilles                 | Raw milk cheese         | -ME                        | -ME    | -ME    | -ME   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Brie de Meaux             | Raw milk cheese         | -ME                        | -ME    | -HE    | -HE   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Fromage fermier de chèvre | Goat cheese             | -LE                        | Ø      | -HE    | -LE   | /                 | -      |   | 0,05 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Reblochon                 | Raw milk cheese         | -ME                        | -ME    | -HE    | -HE   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Reblochon                 | Raw milk cheese         | -MD (Pm)                   | -ME    | -HE    | -HE   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2002       | 2002      | Fromage au lait cru       | Pasteurized milk cheese | -ME                        | -ME    | Ø      | Ø     | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | a              |
| IPL-2006       | B19       | Morbier                   | Raw milk cheese         | +MB                        | +MB    | +HB    | +HB   | Salmonella spp    | +      | 9998  | 2,92 | +           | +MB           | +MB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | B20       | Neufchâtel                | Raw milk cheese         | +HA                        | +MB    | +HA    | +HA   | Salmonella spp    | +      | 10240   | 2,99 | +           | +HA           | +MB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | B21       | Roquefort                 | Raw milk cheese         | +MB                        | +MB    | +HB    | +HB   | Salmonella spp    | +      | 10679   | 3,12 | +           | +MB           | +MB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | B22       | Munster fermier           | Raw milk cheese         | +HB                        | +HB    | +HB    | +HB   | Salmonella spp    | +      | 10457   | 3,06 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | C15       | Crottin de chavignol      | Raw milk cheese         | +HB                        | +HB    | +HB    | +HB   | Salmonella spp    | +      | 10525   | 3,08 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | C16       | Valencay                  | Raw milk cheese         | +HB                        | +HB    | +HC    | +HB   | Salmonella spp    | +      | 10611   | 3,10 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | C17       | Selles sur cher           | Raw milk cheese         | +HB                        | +HB    | +HC    | +HC   | Salmonella spp    | +      | 10588   | 3,09 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2006       | C18       | Crottin au lait cru       | Raw milk cheese         | +HB                        | +HB    | +HC    | +HB   | Salmonella spp    | +      | 10244   | 2,99 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2002       | 2002      | Fromage au lait cru       | Raw milk cheese         | -ME                        | -ME    | +MD    | +MD   | Salmonella spp    | +      |   | 0,04 | -           | -ME           | -ME    |      | -(+ MKTTn)        | -         | ND       | 2    | a              |
| IPL-2002       | 2002      | Fromage au lait cru       | Raw milk cheese         | -ME                        | +MD    | -ME    | +MD   | Salmonella spp    | +      |   | 2,65 | +           | -ME           | +MD    |      | Salmonella spp    | +         | PA       | 2    | a              |
| ADRIA-2017     | 4636      | Rocamadour au lait cru    | Raw milk cheese         | +md                        | -      | +md/+d | -     | Proteus mirabilis | -      | 123   | 0,03 | -           | +md           | -      | -    | Proteus mirabilis | -         | NA       | 2    | a              |
| ADRIA-2017     | 4637      | Camembert au lait cru     | Raw milk cheese         | -                          | -      | -      | -     | /                 | -      | 128   | 0,04 | -           | -             | -      | -    | /                 | -         | NA       | 2    | a              |
| ADRIA-2017     | 5360      | Bethmale au lait cru      | Raw milk cheese         | -                          | -      | -      | -     | /                 | -      | 135   | 0,04 | -           | -             | -      | -    | /                 | -         | NA       | 2    | a              |
| ADRIA-2017     | 5361      | Camembert au lait cru     | Raw milk cheese         | -                          | -      | -      | -     | /                 | -      | 137   | 0,04 | -           | -             | -      | -    | /                 | -         | NA       | 2    | a              |
| ADRIA-2017     | 7088      | Camembert au lait cru     | Raw milk cheese         | +p                         | +p     | +p     | +p    | Salmonella spp    | +      | 10581   | 3,11 | +           | +p            | +p     | +p   | Salmonella spp    | +         | PA       | 2    | a              |
| ADRIA-2017     | 7089      | Roquefort au lait cru     | Raw milk cheese         | +M                         | +p     | +m     | +m/+  | Salmonella spp    | +      | 10394   | 3,06 | +           | +M            | +p     | +p   | Salmonella spp    | +         | PA       | 2    | a              |
| IPL-2002       | 2002      | Fromage pâte molle        | Pasteurized milk cheese | Ø                          | Ø      | Ø      | Ø     | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Livarot                   | Pasteurized milk cheese | -HE                        | -HE    | -HE    | -HE   | /                 | -      |   | 0,05 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Emmental                  | Pasteurized milk cheese | Ø                          | Ø      | Ø      | Ø     | /                 | -      |   | 0,03 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Edam                      | Pasteurized milk cheese | -LE                        | -LE    | -ME    | -ME   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Pont l'Evêque             | Pasteurized milk cheese | -ME                        | -ME    | -HE    | -HE   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Tomme de Savoie           | Pasteurized milk cheese | Ø                          | Ø      | -ME    | -ME   | /                 | -      |   | 0,04 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Cantal                    | Pasteurized milk cheese | -ME                        | -ME    | -ME    | -ME   | /                 | -      |   | 0,03 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2002       | 2002      | Comté                     | Pasteurized milk cheese | Ø                          | Ø      | Ø      | Ø     | /                 | -      |   | 0,03 | -           | /             | /      |      | /                 | -         | NA       | 2    | b              |
| IPL-2006       | B14       | Fromage à pâte molle      | Pasteurized milk cheese | +HB                        | +HB    | +HB    | +HB   | Salmonella spp    | +      | 9570  | 2,80 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | B15       | Fromage de chèvre         | Pasteurized milk cheese | +MA                        | +MA    | +HA    | +HA   | Salmonella spp    | +      | 9922  | 2,90 | +           | +MA           | +MA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | B16       | Brillat savarin           | Pasteurized milk cheese | +HA                        | +HA    | +HA    | +HA   | Salmonella spp    | +      | 9832  | 2,87 | +           | +HA           | +HA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | B17       | Bûche au chèvre           | Pasteurized milk cheese | +HA                        | +HA    | +HA    | +MA   | Salmonella spp    | +      | 10220   | 2,99 | +           | +HA           | +HA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | B18       | Rollot de Picardie        | Pasteurized milk cheese | +HA                        | +HA    | +HA    | +HA   | Salmonella spp    | +      | 10079   | 2,94 | +           | +HA           | +HA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | C11       | Bûche chèvre              | Pasteurized milk cheese | +HA                        | +HA    | +HA    | +HA   | Salmonella spp    | +      | 10482   | 3,06 | +           | +HA           | +HA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | C12       | Fromage brebis            | Pasteurized milk cheese | +HA                        | +MA    | +HA    | +HA   | Salmonella spp    | +      | 10283   | 3,00 | +           | +HA           | +MA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | C13       | Fromage à pâte molle      | Pasteurized milk cheese | +HB                        | +HB    | +HA    | +HA   | Salmonella spp    | +      | 9972  | 2,91 | +           | +HB           | +HB    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | C14       | Fromage à pâte molle      | Pasteurized milk cheese | +MB                        | +MB    | +HA    | +HA   | Salmonella spp    | +      | 9953  | 2,91 | +           | +MB           | +MB    |      | Salmonella spp    | +         | PA       | 2    | b              |
| IPL-2006       | B13       | Glace                     | Ice cream               | +MA                        | +MA    | +HA    | +HA   | Salmonella spp    | +      | 10046   | 2,94 | +           | +MA           | +MA    |      | Salmonella spp    | +         | PA       | 2    | b              |
| ADRIA-2018     | 2306      | Glace vanille             | Vanilla ice cream       | st                         | st     | st     | st    | /                 | -      | 261   | 0,07 | -           | st            | st     | st   | /                 | -         | NA       | 2    | b              |

| DAIRY PRODUCTS |             |                          |                     |                            |        |       |       |                |        |   |      |             |               |        |      |                |           |          |      |                |
|----------------|-------------|--------------------------|---------------------|----------------------------|--------|-------|-------|----------------|--------|---|------|-------------|---------------|--------|------|----------------|-----------|----------|------|----------------|
| Date analysis  | Sample no   | Product (French name)    | Product             | Reference method: ISO 6579 |        |       |       |                |        | Alternative method: VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |                |
|                |             |                          |                     | RVS                        |        | MKTTn |       | Identification | Result | RFV   | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |                |
|                |             |                          |                     | XLD                        | SM ID2 | XLD   | SMID2 |                |        |   |      |             | RVS streaking |        |      |                |           |          |      | Identification |
|                |             |                          |                     |                            |        |       |       |                |        |   |      |             | XLD           | SM ID2 | ASAP |                |           |          |      |                |
| ADRIA-2018     | 2307        | Glace au chocolat        | Chocolate ice cream | st                         | st     | st    | st    | /              | -      | 261   | 0,07 | -           | st            | st     | st   | /              | -         | NA       | 2    | b              |
| IPL-2006       | A20         | Poudre de lait           | Milk powder         | -ME                        | -LE    | -HE   | -ME   | /              | -      | 154   | 0,04 | -           | -ME           | -LE    |      | /              | -         | NA       | 2    | c              |
| IPL-2006       | A21         | Poudre de lait           | Milk powder         | -LE                        | -LE    | -ME   | -ME   | /              | -      | 114   | 0,03 | -           | -LE           | -LE    |      | /              | -         | NA       | 2    | c              |
| IPL-2006       | <b>C22</b>  | <b>Poudre de lait</b>    | <b>Milk powder</b>  | -LE                        | Ø      | -ME   | Ø     | /              | -      | 113   | 0,03 | -           | -LE           | Ø      |      | /              | -         | NA       | 2    | c              |
| IPL-2006       | C23         | Poudre de lait           | Milk powder         | -ME                        | -ME    | -ME   | Ø     | /              | -      | 113   | 0,03 | -           | -ME           | -ME    |      | /              | -         | NA       | 2    | c              |
| IPL-2006       | C24         | Poudre de lait           | Milk powder         | -ME                        | -LE    | -ME   | Ø     | /              | -      | 218   | 0,06 | -           | -ME           | -LE    |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | Ø                          | Ø      | -LE   | -LE   | /              | -      |   | 0,04 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | -LE                        | -LE    | -HE   | -HE   | /              | -      |   | 0,07 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | -ME                        | -ME    | -HE   | -HE   | /              | -      |   | 0,05 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | -ME                        | -ME    | -HE   | -HE   | /              | -      |   | 0,09 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | -ME                        | -ME    | -HE   | -HE   | /              | -      |   | 0,09 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | -LE                        | -LE    | -ME   | -ME   | /              | -      |   | 0,07 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait en poudre           | Milk powder         | Ø                          | Ø      | Ø     | Ø     | /              | -      |   | 0,03 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2002       | 2002        | Lait en poudre entier    | Milk powder         | Ø                          | Ø      | Ø     | Ø     | /              | -      |   | 0,03 | -           | /             | /      |      | /              | -         | NA       | 2    | c              |
| IPL-2006       | <b>C19</b>  | <b>Poudre de lait</b>    | <b>Milk powder</b>  | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 10041   | 2,93 | +           | +HA           | +HA    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2006       | <b>C20</b>  | <b>Poudre de lait</b>    | <b>Milk powder</b>  | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10134   | 2,96 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2006       | <b>C21</b>  | <b>Poudre de lait</b>    | <b>Milk powder</b>  | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10025   | 2,93 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2006       | <b>F1</b>   | <b>Poudre de lait</b>    | <b>Milk powder</b>  | +MB                        | +MB    | +MA   | +MA   | Salmonella spp | +      | 11052   | 2,90 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2006       | <b>F2</b>   | <b>Poudre de lait</b>    | <b>Milk powder</b>  | +MA                        | +MA    | +MA   | +MA   | Salmonella spp | +      | 11335   | 2,97 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2006       | <b>F3</b>   | <b>Poudre de lait</b>    | <b>Milk powder</b>  | +MB                        | +MB    | +HB   | +MB   | Salmonella spp | +      | 11436   | 3,00 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2002       | 2002        | Poudre de lait           | Milk powder         | +MB                        | +LB    | +MB   | +HB   | Salmonella spp | +      |   | 2,34 | +           | +MB           | +LB    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | +MB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |   | 2,49 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2002       | 2002        | Poudre de lait           | Milk powder         | +HB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |   | 2,34 | +           | +HB           | +MB    |      | Salmonella spp | +         | PA       | 2    | c              |
| IPL-2002       | 2002        | Lait cru                 | Raw milk            | +MA                        | +MA    | +MA   | +MA   | Salmonella spp | +      |   | 2,44 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 2    | c              |
| ADRIA-2017     | <b>4638</b> | <b>Lait cru de vache</b> | <b>Raw milk</b>     | -                          | -      | -     | -     | /              | -      | 127   | 0,04 | -           | -             | -      | -    | /              | -         | NA       | 2    | c              |
| ADRIA-2017     | <b>4639</b> | <b>Lait cru de vache</b> | <b>Raw milk</b>     | +M                         | +M     | +M    | +p    | Salmonella spp | +      | 10206   | 3,26 | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 2    | c              |
| ADRIA-2017     | <b>4640</b> | <b>Lait cru de vache</b> | <b>Raw milk</b>     | +M                         | +p     | +M    | +p    | Salmonella spp | +      | 6779  | 2,16 | +           | +M            | +p     | +p   | Salmonella spp | +         | PA       | 2    | c              |
| ADRIA-2017     | <b>4641</b> | <b>Lait cru de vache</b> | <b>Raw milk</b>     | +M                         | +p     | +M    | +M    | Salmonella spp | +      | 9975  | 3,18 | +           | +M            | +p     | +p   | Salmonella spp | +         | PA       | 2    | c              |
| ADRIA-2017     | <b>4642</b> | <b>Lait cru de vache</b> | <b>Raw milk</b>     | +M                         | +M     | +m    | +md/+ | Salmonella spp | +      | 10309   | 3,29 | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 2    | c              |

## SEAFOOD AND VEGETABLES

| Date analysis | Sample no | Product (French name)    | Product          | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |   |
|---------------|-----------|--------------------------|------------------|----------------------------|--------|-------|-------|----------------|--------|--|------|-------------|---------------|--------|------|----------------|-----------|----------|------|---|
|               |           |                          |                  | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |   |
|               |           |                          |                  | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |      |             | RVS streaking |        |      |                |           |          |      |   |
|               |           |                          |                  |                            |        |       |       |                |        |  |      |             | XLD           | SM ID2 | ASAP |                |           |          |      |   |
| IPL-2006      | F5        | Filet de perche          | Fish fillet      | -ME                        | -LE    | -HE   | -ME   | /              | -      | 126  | 0,03 | -           | -ME           | -LE    |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Saumon fumé              | Smoked salmon    | -LE                        | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de sole            | Fish fillet      | Ø                          | Ø      | -LE   | -LE   | /              | -      |  | 0,05 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Saumon                   | Salmon           | Ø                          | Ø      | -LE   | -LE   | /              | -      |  | 0,09 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de poisson         | Fish fillet      | Ø                          | Ø      | -ME   | -ME   | /              | -      |  | 0,05 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de cabillaud       | Cod fillet       | -LE                        | -HE    | -ME   | -HE   | /              | -      |  | 0,05 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de haddock         | Haddock fillet   | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,03 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de perche          | Fish fillet      | -MD (Ec)                   | -ME    | -HE   | -HE   | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de cabillaud       | Cod fillet       | Ø                          | Ø      | -LE   | -LE   | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2002      | 2002      | Filet de congre          | Fish fillet      | Ø                          | Ø      | -HE   | -ME   | /              | -      |  | 0,07 | -           | /             | /      |      | /              | -         | NA       | 3    | a |
| IPL-2006      | A1        | Filet de merlan          | Herring fillet   | +MA                        | +MA    | +MA   | +MA   | Salmonella spp | +      | 11198  | 3,20 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | A3        | Pavé de saumon           | Salmon           | +MB                        | +MB    | +MB   | +HA   | Salmonella spp | +      | 10853  | 3,10 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | A4        | Filet de maquereaux fumé | Smoked mackerel  | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 10984  | 3,14 | +           | +HA           | +HA    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | A5        | Mélange fruits de mer    | Seafood cocktail | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      | 11128  | 3,18 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | A6        | Filet de lieu noir       | Fish fillet      | +MB                        | +MB    | +HA   | +HA   | Salmonella spp | +      | 11025  | 3,15 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | A7        | Crevettes                | Shrimps          | +MB                        | +MA    | +HB   | +HA   | Salmonella spp | +      | 11085  | 3,17 | +           | +MB           | +MA    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | F4        | Queues d'écrevisses      | Crayfish         | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11393  | 2,99 | +           | +HA           | +MA    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | F6        | Filet de grenadier       | Fish fillet      | +MA                        | +MA    | +HB   | +HA   | Salmonella spp | +      | 11896  | 3,12 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | G1        | Boulots cuits            | Cooked whelks    | +MA                        | +LA    | +HA   | +HA   | Salmonella spp | +      | 8306   | 2,43 | +           | +MA           | +LA    |      | Salmonella spp | +         | PA       | 3    | a |
| ADRIA-2017    | 4643      | Noix de Saint-Jacques    | Scallops         | st                         | st     | st    | st    | /              | -      | 105  | 0,03 | -           | st            | st     | st   | /              | -         | NA       | 3    | a |
| ADRIA-2017    | 4644      | Poulpe                   | Octopus          | +M                         | +M     | +M    | +M    | Salmonella spp | +      | 6576   | 2,10 | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 3    | a |
| ADRIA-2017    | 4645      | Encornet                 | Squid            | +M                         | +p     | +M    | +M    | Salmonella spp | +      | 6662   | 2,12 | +           | +M            | +p     | +p   | Salmonella spp | +         | PA       | 3    | a |
| IPL-2006      | A22       | Chou rouge cru           | Raw red cubbage  | -ME                        | -LE    | -ME   | -ME   | /              | -      | 164  | 0,04 | -           | -ME           | -LE    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F11       | Poireaux                 | Leeks            | -ME                        | -ME    | -HE   | -HE   | /              | -      | 515  | 0,13 | -           | -ME           | -ME    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F12       | Laitue                   | Lettuce          | -LE                        | -ME    | -HE   | -HE   | /              | -      | 850  | 0,22 | -           | -LE           | -ME    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F13       | Laitue                   | Lettuce          | -LE                        | -LE    | -HE   | -HE   | /              | -      | 602  | 0,15 | -           | -LE           | -LE    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F15       | Mélange catalan          | Vegetables mix   | -ME                        | -LE    | -HE   | -HE   | /              | -      | 190  | 0,04 | -           | -ME           | -LE    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F16       | Mélange catalan          | Vegetables mix   | -ME                        | -ME    | -HE   | -HE   | /              | -      | 157  | 0,04 | -           | -ME           | -ME    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F17       | Mélange catalan          | Vegetables mix   | -ME                        | -ME    | -HE   | -HE   | /              | -      | 164  | 0,04 | -           | -ME           | -ME    |      | /              | -         | NA       | 3    | b |
| IPL-2006      | F18       | Mélange catalan          | Vegetables mix   | -LE                        | -LE    | -HE   | -HE   | /              | -      | 152  | 0,03 | -           | -LE           | -LE    |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Paprika                  | Paprika          | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,03 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Mélange d'épices         | Spices mix       | -ME                        | -ME    | -ME   | -ME   | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Mélange d'épices         | Spices mix       | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Curry                    | Curry            | -LE                        | -LE    | -ME   | -ME   | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Paprika                  | Paprika          | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Romarin                  | Rosemary         | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Salade mélangée          | Produces         | -LE                        | -LE    | -HE   | -HE   | /              | -      |  | 0,06 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Salade frisée            | Produces         | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Salade de mâche          | Produces         | -LE                        | -LE    | -HE   | -HE   | /              | -      |  | 0,05 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2002      | 2002      | Tomates en rondelles     | Sliced tomatoes  | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 3    | b |
| IPL-2006      | A17       | Endives crues            | Endives          | +MB                        | +MB    | +HB   | +MB   | Salmonella spp | +      | 10226  | 2,92 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | F14       | Laitue                   | Lettuce          | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      | 10663  | 2,79 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | F19       | Chou rouge               | Red cubbage      | +LA                        | +MA    | +MA   | +MA   | Salmonella spp | +      | 9906   | 2,60 | +           | +LA           | +MA    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | F20       | Chou rouge               | Red cubbage      | +MA                        | +MB    | +HA   | +MA   | Salmonella spp | +      | 10428  | 2,73 | +           | +MA           | +MB    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | F21       | Chou rouge               | Red cubbage      | +MA                        | +LA    | +HA   | +HA   | Salmonella spp | +      | 10390  | 2,72 | +           | +MA           | +LA    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | F22       | Chou rouge               | Red cubbage      | +MA                        | +LA    | +HA   | +MA   | Salmonella spp | +      | 10375  | 2,72 | +           | +MA           | +LA    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | G3        | Chou rouge cru           | Red cubbage      | +MB                        | +MB    | +HA   | +HA   | Salmonella spp | +      | 9921   | 2,91 | +           | +MB           | +MB    |      | /              | +         | PA       | 3    | b |
| IPL-2006      | G4        | Tomate crue              | Raw tomato       | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10043  | 2,94 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 3    | b |
| IPL-2006      | G5        | Mélange provençal        | Vegetables mix   | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      | 10124  | 2,96 | +           | +MB           | +MB    |      | /              | +         | PA       | 3    | b |
| IPL-2006      | G6        | Mélange provençal        | Vegetables mix   | +MB                        | +MB    | +MB   | +HB   | Salmonella spp | +      | 10062  | 2,95 | +           | +MB           | +MB    |      | /              | +         | PA       | 3    | b |
| ADRIA-2017    | 4700      | Champignons blancs crus  | Mushrooms        | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9860   | 2,81 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 3    | b |

## SEAFOOD AND VEGETABLES

| Date analysis | Sample no | Product (French name)                      | Product                 | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |       | Agreement      | Category | Type |        |                |
|---------------|-----------|--|-------------------------|----------------------------|--------|-------|-------|----------------|--------|--|------|-------------|---------------|--------|-------|----------------|----------|------|--------|----------------|
|               |           |  |                         | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |       |                |          |      | Result |                |
|               |           |  |                         | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |      |             | RVS streaking |        |       |                |          |      |        |                |
|               |           |  |                         |                            |        |       |       |                |        |  |      |             | XLD           | SM ID2 | ASAP  |                |          |      |        | Identification |
| ADRIA-2017    | 4701      | Salade iceberg                             | Iceberg lettuce         | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9358   | 2,66 | +           | +p            | +p     | +p    | Salmonella spp | +        | PA   | 3      | b              |
| ADRIA-2017    | 4702      | Tendres pousses (mâche, épinards, laitues) | Baby leaves             | +M                         | +M     | +M    | +M    | Salmonella spp | +      | 10070  | 2,87 | +           | +M            | +M     | +M    | Salmonella spp | +        | PA   | 3      | b              |
| ADRIA-2017    | 4703      | Mélange de jeunes pousses                  | Baby leaves             | +p                         | +M     | +M    | +M    | Salmonella spp | +      | 9759   | 2,78 | +           | +p            | +M     | +M    | Salmonella spp | +        | PA   | 3      | b              |
| ADRIA-2017    | 4704      | Graines germées (alfalfa, roquette)        | Sprouts                 | +M                         | +md/+  | +m/-  | -     | Salmonella spp | +      | 151  | 0,04 | -           | +M            | +md/+  | +md/+ | Salmonella spp | +        | PA   | 3      | b              |
| ADRIA-2017    | 4705      | Graines germées alfalfa                    | Sprouts                 | +M                         | +m     | +m    | +m    | Salmonella spp | +      | 10223  | 2,91 | +           | +M            | +m     | +m    | Salmonella spp | +        | PA   | 3      | b              |
| ADRIA-2017    | 5485      | Courgette crue                             | Zucchini                | -                          | -      | -     | -     | /              | -      | 161  | 0,04 | -           | -             | -      | -     | /              | -        | NA   | 3      | b              |
| ADRIA-2017    | 5486      | Champignons blancs crus                    | Mushrooms               | -                          | -      | -     | -     | /              | -      | 148  | 0,04 | -           | -             | -      | -     | /              | -        | NA   | 3      | b              |
| ADRIA-2017    | 5487      | Epinards surgelés                          | Frozen spinach          | -                          | -      | -     | -     | /              | -      | 143  | 0,04 | -           | -             | -      | -     | /              | -        | NA   | 3      | b              |
| ADRIA-2017    | 5488      | Courgettes surgelées                       | Frozen zucchini         | -                          | -      | -     | -     | /              | -      | 153  | 0,04 | -           | -             | -      | -     | /              | -        | NA   | 3      | b              |
| IPL-2006      | A16       | Carottes cuites                            | Cooked carrots          | Ø                          | Ø      | Ø     | Ø     | /              | -      | 114  | 0,03 | -           | Ø             | Ø      |       | /              | -        | NA   | 3      | c              |
| IPL-2006      | A18       | Chou rouge cuit                            | Cooked red cabbage      | Ø                          | Ø      | Ø     | Ø     | /              | -      | 112  | 0,03 | -           | Ø             | Ø      |       | /              | -        | NA   | 3      | c              |
| IPL-2006      | F7        | Epinards                                   | Spinach                 | Ø                          | Ø      | Ø     | Ø     | /              | -      | 115  | 0,03 | -           | Ø             | Ø      |       | /              | -        | NA   | 3      | c              |
| IPL-2006      | F10       | Lentilles                                  | Lenses                  | Ø                          | Ø      | Ø     | Ø     | /              | -      | 120  | 0,03 | -           | Ø             | Ø      |       | /              | -        | NA   | 3      | c              |
| IPL-2002      | 2002      | Céleri                                     | Celery                  | Ø                          | Ø      | -HE   | -HE   | /              | -      |  | 0,05 | -           | /             | /      |       | /              | -        | NA   | 3      | c              |
| IPL-2002      | 2002      | Carottes râpées                            | Sliced carrots          | -LE                        | -LE    | -ME   | -ME   | /              | -      |  | 0,06 | -           | /             | /      |       | /              | -        | NA   | 3      | c              |
| IPL-2002      | 2002      | Crudités                                   | Raw vegetables          | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,09 | -           | /             | /      |       | /              | -        | NA   | 3      | c              |
| IPL-2006      | A13       | Lentilles cuites                           | Cooked lens             | +MA                        | +LA    | +HA   | +HA   | Salmonella spp | +      | 10576  | 3,02 | +           | +MA           | +LA    |       | Salmonella spp | +        | PA   | 3      | c              |
| IPL-2006      | A14       | Brocolis cuits                             | Cooked brocolis         | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10982  | 3,14 | +           | +MA           | +MA    |       | Salmonella spp | +        | PA   | 3      | c              |
| IPL-2006      | A15       | Haricots verts cuits                       | Cooked beans            | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 9939   | 2,84 | +           | +MA           | +MA    |       | Salmonella spp | +        | PA   | 3      | c              |
| IPL-2006      | B8        | Pommes de terre roties                     | Roasted potatoes        | +HA                        | +MA    | +MA   | +HA   | Salmonella spp | +      | 10450  | 3,05 | +           | +HA           | +MA    |       | Salmonella spp | +        | PA   | 3      | c              |
| IPL-2006      | F8        | Légumes pour couscous                      | Vegetables for couscous | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11007  | 2,88 | +           | +MA           | +MA    |       | Salmonella spp | +        | PA   | 3      | c              |
| IPL-2006      | F9        | Chou fleur                                 | Cowflower               | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 11014  | 2,89 | +           | +HA           | +HA    |       | Salmonella spp | +        | PA   | 3      | c              |
| IPL-2006      | G2        | Ratatouille                                | Ratatouille             | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 8680   | 2,54 | +           | +MA           | +MA    |       | Salmonella spp | +        | PA   | 3      | c              |
| ADRIA-2017    | 4706      | Betterave                                  | Beet                    | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9848   | 2,80 | +           | +p            | +p     | +p    | Salmonella spp | +        | PA   | 3      | c              |
| ADRIA-2017    | 4707      | Carottes rapées                            | Grated carrots          | -                          | -      | -     | -     | /              | -      | 158  | 0,04 | -           | -             | -      | -     | /              | -        | NA   | 3      | c              |
| ADRIA-2017    | 4708      | Celeri remoulade                           | Celery                  | st                         | st     | st    | st    | /              | -      | 143  | 0,04 | -           | st            | st     | st    | /              | -        | NA   | 3      | c              |
| ADRIA-2017    | 4709      | Coleslow                                   | Coleslow                | st                         | st     | st    | st    | /              | -      | 151  | 0,04 | -           | st            | st     | st    | /              | -        | NA   | 3      | c              |
| ADRIA-2017    | 4710      | Salade de fruits tropicale                 | Tropical fruits salad   | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9527   | 2,71 | +           | +p            | +p     | +p    | Salmonella spp | +        | PA   | 3      | c              |
| ADRIA-2017    | 5362      | Carottes rapées                            | Grated carrots          | st                         | st     | st    | st    | /              | -      | 159  | 0,04 | -           | st            | st     | st    | /              | -        | NA   | 3      | c              |
| ADRIA-2017    | 5363      | Céleri                                     | Celery                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9356   | 2,78 | +           | +p            | +p     | +p    | Salmonella spp | +        | PA   | 3      | c              |
| ADRIA-2017    | 5364      | Concombres                                 | Cucumbers               | +M                         | +M     | +M    | +M    | Salmonella spp | +      | 9583   | 2,85 | +           | +M            | +M     | +M    | Salmonella spp | +        | PA   | 3      | c              |

## MISCELLANEOUS

| Date analysis | Sample no | Product (French name)    | Product            | Reference method: ISO 6579 |        |       |          |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |                | Agreement | Category | Type |        |
|---------------|-----------|--------------------------|--------------------|----------------------------|--------|-------|----------|----------------|--------|--|------|-------------|---------------|--------|----------------|-----------|----------|------|--------|
|               |           |                          |                    | RVS                        |        | MKTTn |          | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |                |           |          |      | Result |
|               |           |                          |                    | XLD                        | SM ID2 | XLD   | SMID2    |                |        |  |      |             | RVS streaking |        |                |           |          |      |        |
|               |           |                          |                    |                            |        |       |          |                |        |  |      |             | XLD           | SM ID2 | ASAP           |           |          |      |        |
| IPL-2002      | 2002      | Coule d'œufs             | Liquid egg product | -LE                        | -LE    | -ME   | -ME      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Coule d'œufs             | Liquid egg product | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Coule d'œufs             | Liquid egg product | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Coule d'œufs             | Liquid egg product | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Coule d'œufs             | Liquid egg product | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Mayonnaise artisanale    | Mayonnaise         | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Blancs d'œufs            | Egg white          | -LE                        | -LE    | -LE   | -LE      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Flan aux œufs            | Custrad            | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Flan aux œufs            | Custrad            | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | a      |
| IPL-2006      | A8        | Œufs liquides entiers    | Liquid egg product | +MB                        | +LB    | +HB   | +HB      | Salmonella spp | +      | 310  | 0,08 | -           | +MB           | +LB    | Salmonella spp | -         | ND       | 4    | a      |
| IPL-2006      | A9        | Coule d'œufs             | Liquid egg product | +HC                        | -LE    | +HB   | +HB      | Salmonella spp | +      | 10981  | 3,14 | +           | +HC           | -LE    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2006      | A10       | Coule d'œufs             | Liquid egg product | +MB                        | +LB    | +HB   | +HB      | Salmonella spp | +      | 10091  | 2,88 | +           | +MB           | +LB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2006      | A11       | Coule d'œufs             | Liquid egg product | +HB                        | +MC    | +HB   | +HB      | Salmonella spp | +      | 11256  | 3,22 | +           | +HB           | +MC    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2006      | A12       | Coule d'œufs             | Liquid egg product | +MB                        | +LB    | +HC   | +MB      | Salmonella spp | +      | 10786  | 3,08 | +           | +MB           | +LB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Coule d'œufs             | Liquid egg product | +MB                        | +HB    | +HC   | +HC      | Salmonella spp | +      |  | 2,50 | +           | +MB           | +HB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Coule d'œuf entier       | Liquid egg product | +HB                        | +MB    | +HC   | +HC      | Salmonella spp | +      |  | 2,43 | +           | +HB           | +MB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Jaunes d'œufs            | Egg yolk           | +HB                        | +HB    | +HC   | +HC      | Salmonella spp | +      |  | 2,21 | +           | +HB           | +HB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Jaunes d'œufs            | Egg yolk           | +MB                        | +HC    | +HC   | +HC      | Salmonella spp | +      |  | 2,22 | +           | +MB           | +HC    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Blancs d'œufs            | White egg          | +MA                        | +MB    | +HC   | +HC      | Salmonella spp | +      |  | 2,10 | +           | +MA           | +MB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Coules d'œufs            | Liquid egg product | +MB                        | +MB    | +MB   | +MB      | Salmonella spp | +      |  | 2,17 | +           | +MB           | +MB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Blancs d'œufs            | White egg          | +MA                        | +MA    | -HE   | -HE      | Salmonella spp | +      |  | 2,28 | +           | +MA           | +MA    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2006      | B5        | Flan                     | Custard            | +MA                        | +MB    | +HA   | +HA      | Salmonella spp | +      | 10504  | 3,07 | +           | +MA           | +MB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Crème pâtissière         | Custard            | +MB                        | +MB    | +HB   | +MB      | Salmonella spp | +      |  | 2,26 | +           | +MB           | +MB    | Salmonella spp | +         | PA       | 4    | a      |
| IPL-2002      | 2002      | Crème pâtissière         | Custard            | +MB                        | +MB    | +HB   | +HB      | Salmonella spp | +      |  | 2,21 | +           | +MB           | +MB    | Salmonella spp | +         | PA       | 4    | a      |
| ADRIA-2017    | 5489      | Crème anglaise           | Custard            | st                         | st     | st    | st       | /              | -      | 151  | 0,04 | -           | st            | st     | st             | -         | NA       | 4    | a      |
| IPL-2002      | 2002      | Pépites de chocolat      | Chocolate          | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Poudre de cacao          | Cocoa powder       | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Copeaux de chocolat      | Chocolate          | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Pâte à tartiner chocolat | Chocolate          | -ME                        | -ME    | -HE   | -HE      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Millefeuille             | Pastry             | -LE                        | -LE    | -ME   | -ME      | /              | -      |  | 0,05 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Chou pâtissier           | Pastry             | Ø                          | Ø      | -ME   | -HE      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Eclair chocolat          | Pastry             | Ø                          | Ø      | -ME   | -ME      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Religieuse chocolat      | Pastry             | -LE                        | Ø      | -LE   | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Coupe chantilly          | Dessert            | -LE                        | Ø      | -LE   | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | St Honoré                | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Choux chantilly          | Pastry             | -LE                        | Ø      | -HE   | -HE      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | St Honoré                | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Chou à la crème          | Pastry             | -LE                        | Ø      | -HE   | -HE      | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Eclair café              | Pastry             | Ø                          | Ø      | -ME   | -MD (En) | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Religieuse chocolat      | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Profiteroles             | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Choux chantilly          | Pastry             | Ø                          | Ø      | -HE   | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Eclair café              | Pastry             | -LE                        | -LE    | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Religieuse               | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Noiselia                 | Dessert            | Ø                          | Ø      | -LE   | -LE      | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Princesse des îles       | Dessert            | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Chou parisien            | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Merveilleux              | Pastry             | Ø                          | Ø      | Ø     | Ø        | /              | -      |  | 0,03 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2002      | 2002      | Versillais               | Pastry             | Ø                          | Ø      | -ME   | -ME      | /              | -      |  | 0,04 | -           | /             | /      | /              | -         | NA       | 4    | b      |
| IPL-2006      | B1        | Eclair aux fruits rouges | Pastry             | +MA                        | +MA    | +HA   | +HA      | Salmonella spp | +      | 9927   | 2,90 | +           | +MA           | +MA    | Salmonella spp | +         | PA       | 4    | b      |

## MISCELLANEOUS

| Date analysis | Sample no | Product (French name)         | Product                  | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |      | Agreement      | Category | Type |        |                |
|---------------|-----------|-------------------------------|--------------------------|----------------------------|--------|-------|-------|----------------|--------|--|------|-------------|---------------|--------|------|----------------|----------|------|--------|----------------|
|               |           |                               |                          | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |      |                |          |      | Result |                |
|               |           |                               |                          | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |      |             | RVS streaking |        |      |                |          |      |        |                |
|               |           |                               |                          |                            |        |       |       |                |        |  |      |             | XLD           | SM ID2 | ASAP |                |          |      |        | Identification |
| IPL-2006      | B2        | Baba au rhum                  | Pastry                   | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10008  | 2,92 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | b              |
| IPL-2006      | B3        | Versillais                    | Pastry                   | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      | 9857   | 2,88 | +           | +MB           | +MB    |      | Salmonella spp | +        | PA   | 4      | b              |
| IPL-2006      | B4        | Forêt noire                   | Pastry                   | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      | 9722   | 2,84 | +           | +MB           | +MB    |      | Salmonella spp | +        | PA   | 4      | b              |
| IPL-2002      | 2002      | Eclair au café                | Pastry                   | +MB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |  | 2,32 | +           | +MB           | +MB    |      | Salmonella spp | +        | PA   | 4      | b              |
| IPL-2002      | 2002      | Eclair chocolat               | Pastry                   | +MB                        | +MB    | +MB   | +MB   | Salmonella spp | +      |  | 2,24 | +           | +MB           | +MB    |      | Salmonella spp | +        | PA   | 4      | b              |
| IPL-2002      | 2002      | Eclair café                   | Pastry                   | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      |  | 2,24 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | b              |
| ADRIA-2017    | 5483      | Chocolat noir                 | Dark chocolate           | st                         | st     | st    | st    | /              | -      | 126  | 0,03 | -           | st            | st     | st   | /              | -        | NA   | 4      | b              |
| ADRIA-2017    | 5484      | Chocolat caramel              | Chocolat with caramel    | st                         | st     | st    | st    | /              | -      | 136  | 0,04 | -           | st            | st     | st   | /              | -        | NA   | 4      | b              |
| IPL-2006      | A2        | Coquilles St Jacques          | Scallops                 | +MB                        | +LA    | +HA   | +HB   | Salmonella spp | +      | 11421  | 3,26 | +           | +MB           | +LA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C1        | Salade de calamars            | Deli salad               | Ø                          | Ø      | Ø     | Ø     | /              | -      | 117  | 0,03 | -           | Ø             | Ø      |      | /              | -        | NA   | 4      | c              |
| IPL-2006      | C2        | Poisson poché sauce océane    | Ready to reheat fish     | Ø                          | Ø      | Ø     | Ø     | /              | -      | 113  | 0,03 | -           | Ø             | Ø      |      | /              | -        | NA   | 4      | c              |
| IPL-2006      | C3        | Paupiette de saumon           | Ready to reheat fish     | -HE                        | -HE    | Ø     | Ø     | /              | -      | 77   | 0,02 | -           | -HE           | -HE    |      | /              | -        | NA   | 4      | c              |
| IPL-2006      | C4        | Brandade de morue             | Ready to reheat fish     | Ø                          | Ø      | Ø     | Ø     | /              | -      | 115  | 0,03 | -           | Ø             | Ø      |      | /              | -        | NA   | 4      | c              |
| IPL-2002      | 2002      | Salade de crevettes           | Deli salad               | Ø                          | Ø      | -HE   | -HE   | /              | -      |  | 0,03 | -           | /             | /      |      | /              | -        | NA   | 4      | c              |
| IPL-2002      | 2002      | Fondant de saumon             | Ready to reheat fish     | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,06 | -           | /             | /      |      | /              | -        | NA   | 4      | c              |
| IPL-2006      | A19       | Filet de lieu noir cuit       | Cooked fish              | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11180  | 3,19 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | B10       | Coquille St Jacques au cognac | Ready to reheat scallops | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 9613   | 2,81 | +           | +HA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | B11       | Merlu au curry                | Ready to reheat fish     | +LA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 9623   | 2,81 | +           | +LA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | B12       | Saumon aux champignons        | Ready to reheat fish     | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 9691   | 2,83 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C5        | Calamars farcis               | Ready to reheat fish     | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10105  | 2,95 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C6        | Paupiette de saumon           | Ready to reheat fish     | +MB                        | +MB    | +HB   | +HB   | Salmonella spp | +      | 10263  | 3,00 | +           | +MB           | +MB    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C7        | Calamars farcis               | Ready to reheat fish     | +HB                        | +HB    | -HE   | -HE   | Salmonella spp | +      | 10048  | 2,94 | +           | +HB           | +HB    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C8        | Boudin de saumon cuit         | Ready to reheat fish     | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10051  | 2,94 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C9        | Délice de saumon au champagne | Ready to reheat fish     | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 9984   | 2,92 | +           | +MA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| IPL-2006      | C10       | Poisson blanc au citron       | Ready to reheat fish     | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10032  | 2,93 | +           | +HA           | +MA    |      | Salmonella spp | +        | PA   | 4      | c              |
| ADRIA-2018    | 2302      | Hachis parmentier             | Ready to reheat meals    | st                         | st     | st    | st    | /              | -      | 250  | 0,07 | -           | st            | st     | st   | /              | -        | NA   | 4      | c              |
| ADRIA-2018    | 2303      | Spaghetti bolognaise          | Ready to reheat meals    | st                         | st     | st    | st    | /              | -      | 255  | 0,07 | -           | st            | st     | st   | /              | -        | NA   | 4      | c              |
| ADRIA-2018    | 2304      | Blanquette de veau            | Ready to reheat meals    | st                         | st     | st    | st    | /              | -      | 256  | 0,07 | -           | st            | st     | st   | /              | -        | NA   | 4      | c              |

| PET FOOD      |           |                                    |                    |                            |        |       |       |                |        |  |      |             |               |        |      |                |           |          |      |   |
|---------------|-----------|------------------------------------|--------------------|----------------------------|--------|-------|-------|----------------|--------|--|------|-------------|---------------|--------|------|----------------|-----------|----------|------|---|
| Date analysis | Sample no | Product (French name)              | Product            | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |   |
|               |           |                                    |                    | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |   |
|               |           |                                    |                    | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |      |             | RVS streaking |        |      |                |           |          |      |   |
|               |           |                                    |                    |                            |        |       |       |                |        |  |      |             | XLD           | SM ID2 | ASAP |                |           |          |      |   |
| IPL-2006      | D10       | Paté bœuf                          | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 116  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | D11       | Paté poulet                        | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 117  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | D12       | Paté agneau                        | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 116  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | E8        | Pâté pour chat truite et cabillaud | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 127  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | E9        | Pâté pour chat foie et volaille    | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 131  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | E10       | Pâté pour chat poulet              | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 130  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | E11       | Pâté pour chat saumon              | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 129  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | E12       | Pâté pour chien bœuf               | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 118  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | E13       | Pâté pour chien agneau             | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      | 118  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | a |
| IPL-2002      | 2002      | Pâté de bœuf avec morceaux         | Pâté for pet       | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | a |
| IPL-2002      | 2002      | Pâté pour chien au thon            | Pâté for pet       | -HE                        | -HE    | -HE   | -HE   | /              | -      |  | 0,05 | -           | /             | /      |      | /              | -         | NA       | 5    | a |
| IPL-2006      | D4        | Paté bœuf                          | Pâté for pet       | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11013  | 3,10 | +           | +HA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | D5        | Paté bœuf                          | Pâté for pet       | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11065  | 3,11 | +           | +HA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | D6        | Paté poulet                        | Pâté for pet       | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11053  | 3,11 | +           | +HA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | D7        | Paté poulet                        | Pâté for pet       | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11305  | 3,18 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | D8        | Paté agneau                        | Pâté for pet       | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 11529  | 3,24 | +           | +HA           | +HA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | D9        | Paté agneau                        | Pâté for pet       | +HA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10761  | 3,03 | +           | +HA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | E4        | Pâté pour chat truite et cabillaud | Pâté for pet       | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10688  | 2,80 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | E5        | Pâté pour chat foie et volaille    | Pâté for pet       | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 10694  | 2,80 | +           | +HA           | +HA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | E6        | Pâté pour chat poulet              | Pâté for pet       | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11014  | 2,89 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | E7        | Pâté pour chat saumon              | Pâté for pet       | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10285  | 2,70 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2002      | 2002      | Pâté de bœuf pour chien            | Pâté for pet       | +LB                        | +MA    | +MC   | +HB   | Salmonella spp | +      |  | 2,32 | +           | +LB           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| IPL-2002      | 2002      | Pâté de bœuf pour chat             | Pâté for pet       | +MB                        | +MA    | +HA   | +HA   | Salmonella spp | +      |  | 1,99 | +           | +MB           | +MA    |      | Salmonella spp | +         | PA       | 5    | a |
| ADRIA-2017    | 5240      | Terrine pour chat au saumon        | Cat food (salmon)  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9947   | 2,95 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | a |
| ADRIA-2017    | 5241      | Terrine pour chien à la volaille   | Dog food (poultry) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10164  | 3,01 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | a |
| ADRIA-2017    | 5242      | Terrine pour chat au bœuf          | Cat food (beef)    | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10165  | 3,01 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | a |
| ADRIA-2017    | 5243      | Terrine pour chien au bœuf         | Dog food (beef)    | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10197  | 3,02 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | a |
| ADRIA-2017    | 5244      | Terrine pour chat au lapin         | Cat food (rabbit)  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10175  | 3,02 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | a |
| IPL-2006      | D13       | Granulés                           | Granules           | Ø                          | Ø      | Ø     | Ø     | /              | -      | 116  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | D15       | Farines                            | Flour              | Ø                          | Ø      | Ø     | Ø     | /              | -      | 112  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | D17       | Farines                            | Flour              | Ø                          | Ø      | Ø     | Ø     | /              | -      | 121  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | D19       | Farine de poisson                  | Fish flour         | Ø                          | Ø      | Ø     | Ø     | /              | -      | 121  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | D20       | Farine de poisson                  | Fish flour         | Ø                          | Ø      | Ø     | Ø     | /              | -      | 114  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | D23       | Granulés                           | Granules           | Ø                          | Ø      | Ø     | Ø     | /              | -      | 112  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | E14       | Croquettes pour chat               | Pellets for cat    | Ø                          | Ø      | Ø     | Ø     | /              | -      | 119  | 0,03 | -           | Ø             | Ø      |      | /              | -         | NA       | 5    | b |
| IPL-2002      | 2002      | Granulés                           | Granules           | -ME                        | -ME    | -HE   | -LE   | /              | -      |  | 0,08 | -           | /             | /      |      | /              | -         | NA       | 5    | b |
| IPL-2002      | 2002      | Croquettes pour chat               | Pellets for cat    | Ø                          | Ø      | Ø     | Ø     | /              | -      |  | 0,03 | -           | /             | /      |      | /              | -         | NA       | 5    | b |
| IPL-2002      | 2002      | Farine pour poissons               | Flour for fish     | -ME                        | -HE    | -HE   | -HE   | /              | -      |  | 0,03 | -           | /             | /      |      | /              | -         | NA       | 5    | b |
| IPL-2006      | D14       | Granulés                           | Granules           | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 11107  | 3,13 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | D16       | Farines                            | Flour              | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10611  | 2,99 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | D18       | Farine de poisson                  | Flour for fish     | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 11250  | 3,17 | +           | +HA           | +HA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | D21       | Farines                            | Flour              | +MB                        | +LB    | +HB   | +HB   | Salmonella spp | +      | 10335  | 2,91 | +           | +MB           | +LB    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | D22       | Farines                            | Flour              | +HB                        | +MB    | +HA   | +HA   | Salmonella spp | +      | 9928   | 2,79 | +           | +HB           | +MB    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | D24       | Granulés                           | Granules           | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10415  | 2,93 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | E15       | Croquettes pour chat               | Pellets for cat    | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10891  | 2,85 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | E16       | Croquettes pour chat               | Pellets for cat    | +MA                        | +MA    | +HA   | +HA   | Salmonella spp | +      | 10991  | 2,88 | +           | +MA           | +MA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | E17       | Croquettes pour chat               | Pellets for cat    | +MA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 10943  | 2,87 | +           | +MA           | +HA    |      | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | E18       | Croquettes pour chat               | Pellets for cat    | +HA                        | +HA    | +HA   | +HA   | Salmonella spp | +      | 112269   | 2,95 | +           | +HA           | +HA    |      | Salmonella spp | +         | PA       | 5    | b |



| PET FOOD      |           |  |  |                            |         |         |         |                |        |  |      |             |               |        |      |                |           |          |      |   |
|---------------|-----------|--|--|----------------------------|---------|---------|---------|----------------|--------|--|------|-------------|---------------|--------|------|----------------|-----------|----------|------|---|
| Date analysis | Sample no | Product (French name)                                  | Product  | Reference method: ISO 6579 |         |         |         |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |   |
|               |           |  |  | RVS                        |         | MKTTn   |         | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |   |
|               |           |  |  | XLD                        | SM ID2  | XLD     | SMID2   |                |        |  |      |             | RVS streaking |        |      |                |           |          |      |   |
|               |           |  |  |                            |         |         |         |                |        |  |      |             | XLD           | SM ID2 | ASAP |                |           |          |      |   |
| ADRIA-2017    | 5245      | Croquettes pour chien                                  | Pellets for dog  | st                         | st      | st      | st      | /              | -      | 148  | 0,04 | -           | st            | st     | st   | /              | -         | NA       | 5    | b |
| ADRIA-2017    | 5246      | Croquettes pour chat thon, saumon, légumes et céréales | Pellets for cat (tuna, salmon, vegetables and cereals) | +p                         | +p      | +p      | +p      | Salmonella spp | +      | 10027  | 2,97 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | b |
| ADRIA-2017    | 5247      | Croquettes pour chat bœuf, poulet, foie                | Pellets for cat (beef, poultry, liver)                 | +p                         | +p      | +p      | +p      | Salmonella spp | +      | 10226  | 3,03 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | b |
| ADRIA-2017    | 5248      | Snack pour chien                                       | Dry dog food   | +p                         | +p      | +p      | +p      | Salmonella spp | +      | 10175  | 3,02 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | b |
| ADRIA-2017    | 5249      | Tablettes au bœuf                                      | Dry dog food   | +p                         | +p      | +p      | +p      | Salmonella spp | +      | 10123  | 3,00 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | b |
| ADRIA-2017    | 5250      | Mini stick pour chien                                  | Dry dog food   | +p                         | +p      | +p      | +p      | Salmonella spp | +      | 10013  | 2,97 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 5    | b |
| IPL-2006      | D1        | Viande bovine pour animaux                             | Beef meat for pet                                      | -LA(Ha)                    | -MA(Ha) | -HA(Ha) | -HA(Ha) | /              | -      | 144  | 0,04 | -           | -LE           | -ME    |      | Hafnia alvei   | -         | NA       | 5    | c |
| IPL-2006      | D2        | Viande bovine pour animaux                             | Beef meat for pet                                      | -LA(Ha)                    | -LA(Ha) | -HA(Ha) | -HA(Ha) | /              | -      | 144  | 0,04 | -           | -LE           | -LE    |      | Hafnia alvei   | -         | NA       | 5    | c |
| IPL-2006      | D3        | Viande bovine pour animaux                             | Beef meat for pet                                      | -LE                        | -LE     | -HE     | -HE     | /              | -      | 161  | 0,04 | -           | -LE           | -LE    |      | /              | -         | NA       | 5    | c |
| IPL-2006      | E19       | Déchets viande bovine pour animaux                     | Beef meat for pet                                      | -ME                        | -ME     | -HE     | -HE     | /              | -      | 182  | 0,04 | -           | -ME           | -ME    |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Abats de bœuf pour animaux                             | Beef meat for pet                                      | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Abats de bœuf pour animaux                             | Beef meat for pet                                      | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Boulette de bœuf pour chien                            | Beef meat for pet                                      | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Boulette pour chat                                     | Balls for cat  | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Boulette pour chat                                     | Balls for cat  | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Boulette pour chien                                    | Balls for dog  | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2002      | 2002      | Abats de bœuf pour animaux                             | Beef meat for pet                                      | Ø                          | Ø       | Ø       | Ø       | /              | -      |  | 0,04 | -           | /             | /      |      | /              | -         | NA       | 5    | c |
| IPL-2006      | E1        | Déchets viande bovine pour animaux                     | Beef meat for pet                                      | +MA                        | +MB     | +HB     | +HB     | Salmonella spp | +      | 10355  | 2,71 | +           | +MA           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2006      | E2        | Déchets viande bovine pour animaux                     | Beef meat for pet                                      | +MA                        | +MB     | +HB     | +HB     | Salmonella spp | +      | 10431  | 2,73 | +           | +MA           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2006      | E3        | Déchets viande bovine pour animaux                     | Beef meat for pet                                      | +MB                        | +MB     | +HB     | +HB     | Salmonella spp | +      | 10493  | 2,75 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2002      | 2002      | Viande pour chien                                      | Meat for pet   | +MB                        | +MB     | +MB     | +HA     | Salmonella spp | +      |  | 2,38 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2002      | 2002      | Viande pour chien                                      | Meat for pet   | +MB                        | +MB     | +HB     | +HA     | Salmonella spp | +      |  | 2,10 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2002      | 2002      | Viande pour chat                                       | Meat for pet   | +HB                        | +MB     | +HB     | +HB     | Salmonella spp | +      |  | 2,32 | +           | +HB           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2002      | 2002      | Hachis pour animaux                                    | Meat for pet   | +MC                        | +LB     | +HB     | +MB     | Salmonella spp | +      |  | 2,39 | +           | +MC           | +LB    |      | Salmonella spp | +         | PA       | 5    | c |
| IPL-2002      | 2002      | Boulette de bœuf pour chien                            | Meat for pet   | +MB                        | +MB     | +HA     | +HA     | Salmonella spp | +      |  | 2,27 | +           | +MB           | +MB    |      | Salmonella spp | +         | PA       | 5    | c |
| ADRIA-2018    | 2305      | Viande bovine pour animaux                             | Meat for pet   | -                          | -       | -       | -       | /              | -      | 209  | 0,06 | -           | -             | -      | -    | /              | -         | NA       | 5    | c |

**COCOA AND CHOCOLATE (375 g sample size)**

| Date analysis | Sample no | Product (French name)                    | Product                                 | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |           |             |               |        |      |                | Agreement | Category | Type |                |
|---------------|-----------|--|---|----------------------------|--------|-------|-------|----------------|--------|--|-----------|-------------|---------------|--------|------|----------------|-----------|----------|------|----------------|
|               |           |  |   | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT        | Test result | Confirmation  |        |      | Result         |           |          |      |                |
|               |           |  |   | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |           |             | RVS streaking |        |      |                |           |          |      |                |
|               |           |  |   |                            |        |       |       |                |        |  |           |             | XLD           | SM ID2 | ASAP |                |           |          |      | Identification |
| ADRIA-2017    | 2606      | Poudre de cacao                          | Cocoa powder                            | st                         | st     | st    | st    | -              | -      | 103  | 0,02      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 2607      | Poudre de cacao                          | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11802  | 3,05      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2608      | Poudre de cacao                          | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11496  | 2,97      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2609      | Poudre de cacao bio                      | Cocoa powder                            | st                         | st     | +p    | +p    | Salmonella spp | +      | 117/117  | 0,03/0,03 | -/-         | st            | st     | st   | - (+MKTTn)     | -         | ND       | 6    | a              |
| ADRIA-2017    | 2610      | Poudre de cacao bio                      | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 12630  | 3,26      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2641      | Poudre de cacao alcalisée                | Alkalized cocoa powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9012   | 2,33      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2642      | Poudre de cacao bio                      | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11211  | 2,90      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2643      | Poudre de cacao                          | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10718  | 2,77      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2644      | Poudre de cacao                          | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9578   | 2,47      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 2645      | Poudre de cacao                          | Cocoa powder                            | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9839   | 2,54      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3260      | Chocolat en poudre (32% de cacao)        | Cocoa powder (cocoa 32%)                | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 992  | 0,31      | -           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3261      | Chocolat en poudre (32% de cacao)        | Cocoa powder (cocoa 32%)                | +M                         | +p     | +p    | +p    | Salmonella spp | +      | 10807  | 3,42      | +           | +M            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3262      | Chocolat en poudre (31,7% de cacao)      | Cocoa powder (cocoa 31,7%)              | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11134  | 3,52      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3263      | Chocolat en poudre (31,7% de cacao)      | Cocoa powder (cocoa 31,7%)              | st                         | st     | st    | st    | -              | -      | 103  | 0,03      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 3264      | Chocolat en poudre (32% de cacao)        | Cocoa powder (cocoa 32%)                | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 12472  | 3,95      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3265      | Chocolat en poudre (32% de cacao)        | Cocoa powder (cocoa 32%)                | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11422  | 3,61      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3266      | Poudre cacaotée (32% de cacao)           | Cocoa powder (cocoa 32%)                | st                         | st     | st    | st    | -              | -      | 108  | 0,03      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 3267      | Poudre cacaotée (32% de cacao)           | Cocoa powder (cocoa 32%)                | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11194  | 3,54      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3268      | Poudre de cacao (21,3% de cacao)         | Cocoa powder (cocoa 21,3%)              | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 11214  | 3,55      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | a              |
| ADRIA-2017    | 3269      | Poudre de cacao (21,3% de cacao)         | Cocoa powder (cocoa 21,3%)              | st                         | st     | st    | st    | -              | -      | 118  | 0,03      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 7048      | Poudre de cacao alcalinisée bio          | Alkalized organic cocoa powder          | st                         | st     | st    | st    | -              | -      | 242  | 0,07      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 7049      | Poudre de cacao à matière grasse réduite | Fat reduced cocoa powder                | st                         | st     | st    | st    | -              | -      | 231  | 0,06      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 7050      | Poudre de cacao à matière grasse réduite | Fat reduced cocoa powder                | st                         | st     | st    | st    | -              | -      | 186  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 6    | a              |
| ADRIA-2017    | 2611      | Chocolat au lait                         | Milk chocolate                          | +p                         | +p     | +p    | +M    | Salmonella spp | +      | 11946  | 3,09      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 2612      | Chocolat blanc                           | White chocolate                         | +M                         | +M     | +p    | +p    | Salmonella spp | +      | 12337  | 3,19      | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 2613      | Chocolat noir                            | Dark chocolate                          | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 12596  | 3,26      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 2635      | Chocolat noir                            | Dark chocolate                          | st                         | st     | -     | -     | -              | -      | 124  | 0,03      | -           | st            | st     | st   | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 2636      | Chocolat blanc                           | White chocolate                         | -                          | -      | -     | -     | -              | -      | 119  | 0,03      | -           | -             | -      | -    | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 2637      | Chocolat au lait                         | Milk chocolate                          | -                          | -      | -     | -     | -              | -      | 120  | 0,03      | -           | -             | -      | -    | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 2907      | Chocolat au lait au caramel (31% cacao)  | Milk chocolate with caramel (31% cocoa) | -                          | -      | -     | -     | -              | -      | 123  | 0,03      | -           | -             | -      | -    | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 2908      | Chocolat au lait au caramel (31% cacao)  | Milk chocolate with caramel (31% cocoa) | +M                         | +p     | +p    | +p    | Salmonella spp | +      | 13618  | 4,31      | +           | +M            | +p     | +p   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 2909      | Chocolat au lait (41% cacao)             | Milk chocolate (41% cocoa)              | st                         | st     | -     | -     | -              | -      | 117  | 0,03      | -           | st            | st     | st   | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 2910      | Drops de chocolat noir (50% cacao)       | Dark chocolate (50% cocoa)              | +p                         | +p     | +M    | +M    | Salmonella spp | +      | 13518  | 4,28      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 2911      | Pistoles de chocolat noir (50% cacao)    | Dark chocolate (50% cocoa)              | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10920  | 3,46      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | b              |

## COCOA AND CHOCOLATE (375 g sample size)

| Date analysis | Sample no | Product (French name)                 | Product                                | Reference method: ISO 6579 |        |       |                      |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |                |
|---------------|-----------|---------------------------------------|--|----------------------------|--------|-------|----------------------|----------------|--------|--|------|-------------|---------------|--------|------|----------------|-----------|----------|------|----------------|
|               |           |                                       |  | RVS                        |        | MKTTn |                      | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |                |
|               |           |                                       |  | XLD                        | SM ID2 | XLD   | SMID2                |                |        |  |      |             | RVS streaking |        |      |                |           |          |      | Identification |
|               |           |                                       |  |                            |        |       |                      |                |        |  |      |             | XLD           | SM ID2 | ASAP |                |           |          |      |                |
| ADRIA-2017    | 2912      | Pistoles de chocolat noir (50% cacao) | Dark chocolate (50% cocoa)             | +M                         | +M     | +M    | +M                   | Salmonella spp | +      | 10436  | 3,30 | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 4261      | Chocolat noir (50% cacao)             | Dark chocolate (50% cocoa)             | st                         | st     | st    | st                   | -              | -      | 101  | 0,02 | -           | st            | st     | st   | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 4262      | Chocolat lait-caramel (31% cacao)     | Milk chocolate and caramel (31% cocoa) | +M                         | +M     | +M    | +M                   | Salmonella spp | +      | 8943   | 2,54 | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 4263      | Chocolat au lait (47% cacao)          | Milk chocolate (47% cocoa)             | +p                         | +p     | +p    | +p                   | Salmonella spp | +      | 10278  | 2,92 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | b              |
| ADRIA-2017    | 4264      | Chocolat noir (50% cacao)             | Dark chocolate (50% cocoa)             | -                          | -      | -     | -                    | -              | -      | 141  | 0,04 | -           | -             | -      | -    | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 4265      | Chocolat noir (65% cacao)             | Dark chocolate (65% cocoa)             | st                         | st     | st    | st                   | -              | -      | 116  | 0,03 | -           | st            | st     | st   | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 7051      | Chocolat blanc                        | White chocolate                        | -                          | -      | -     | -                    | -              | -      | 267  | 0,07 | -           | -             | -      | -    | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 7052      | Chocolat noir                         | Dark chocolate                         | st                         | st     | st    | st                   | -              | -      | 225  | 0,06 | -           | st            | st     | st   | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 7053      | Chocolat noisette                     | Nuts chocolate                         | -                          | -      | -     | -                    | -              | -      | 226  | 0,06 | -           | -             | -      | -    | -              | -         | NA       | 6    | b              |
| ADRIA-2017    | 2614      | Liqueur de cacao naturelle            | Cocoa liquor                           | st                         | st     | st    | st                   | -              | -      | 121  | 0,03 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 2615      | Liqueur de cacao alkalisée            | Alkalized cocoa liquor                 | +p                         | +p     | +M    | +M                   | Salmonella spp | +      | 12058  | 3,12 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 2616      | Masse de cacao                        | Cocoa mass                             | +p                         | +p     | +p    | +p                   | Salmonella spp | +      | 11491  | 2,97 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 2638      | Liqueur de cacao naturelle            | Cocoa liquor                           | st                         | -      | -     | -                    | -              | -      | 108  | 0,02 | -           | st            | -      | -    | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 2639      | Fèves de cacao                        | Cocoa beans                            | +m                         | +m     | +M    | +M                   | Salmonella spp | +      | 315  | 0,08 | -           | +m            | +m     | +m   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 2640      | Fèves de cacao                        | Cocoa beans                            | -                          | -      | -     | -                    | -              | -      | 93   | 0,02 | -           | -             | -      | -    | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 2913      | Beurre de cacao                       | Cocoa butter                           | +p                         | +p     | +M    | +p                   | Salmonella spp | +      | 13720  | 4,34 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 2914      | Beurre de cacao                       | Cocoa butter                           | +p                         | +p     | +p    | +p                   | Salmonella spp | +      | 13565  | 4,29 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 2915      | Beurre de cacao                       | Cocoa butter                           | +p                         | +p     | +p    | +p                   | Salmonella spp | +      | 11256  | 3,56 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 4256      | Beurre de cacao                       | Cocoa butter                           | st                         | st     | st    | st                   | -              | -      | 49   | 0,01 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 4257      | Fèves de cacao                        | Cocoa beans                            | -                          | -      | -     | +m (Api=Providencia) | -              | -      | 139  | 0,03 | -           | -             | -      | -    | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 4258      | Crumbs                                | Crumbs                                 | +p                         | +p     | +p    | +p                   | Salmonella spp | +      | 10097  | 2,87 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 6    | c              |
| ADRIA-2017    | 4259      | Crumbs                                | Crumbs                                 | st                         | st     | st    | st                   | -              | -      | 159  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 4260      | Liqueur de cacao                      | Cocoa liquor                           | st                         | st     | st    | st                   | -              | -      | 130  | 0,03 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 7054      | Masse de cacao                        | Cocoa mass                             | st                         | st     | st    | st                   | -              | -      | 196  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 7055      | Masse de cacao                        | Cocoa mass                             | st                         | st     | st    | st                   | -              | -      | 217  | 0,06 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 7056      | Masse de cacao                        | Cocoa mass                             | st                         | st     | st    | st                   | -              | -      | 210  | 0,06 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 7057      | Masse de cacao                        | Cocoa mass                             | st                         | st     | st    | st                   | -              | -      | 199  | 0,06 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 7058      | Beurre de cacao                       | Cocoa butter                           | st                         | st     | st    | st                   | -              | -      | 211  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 6    | c              |
| ADRIA-2017    | 7059      | Fèves de cacao                        | Cocoa beans                            | +M                         | +M     | +M    | +M                   | Salmonella spp | +      | 9877   | 2,90 | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 6    | c              |

MILK POWDERS (375 g sample size)

| Date analysis | Sample no | Product (French name)            | Product                           | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |      |             |               |        |      |                | Agreement | Category | Type |                |
|---------------|-----------|----------------------------------|-----------------------------------|----------------------------|--------|-------|-------|----------------|--------|--|------|-------------|---------------|--------|------|----------------|-----------|----------|------|----------------|
|               |           |                                  |                                   | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT   | Test result | Confirmation  |        |      | Result         |           |          |      |                |
|               |           |                                  |                                   | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |      |             | RVS streaking |        |      |                |           |          |      |                |
|               |           |                                  |                                   |                            |        |       |       |                |        |  |      |             | XLD           | SM ID2 | ASAP |                |           |          |      | Identification |
| ADRIA-2017    | 4487      | Poudre de lait écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9472   | 2,81 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 4488      | Poudre de lait écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9506   | 2,82 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 4489      | Poudre de lait écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9909   | 2,94 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 4490      | Poudre de lait demi-écrémé       | Half-skim milk powder             | st                         | st     | st    | st    | -              | -      | 146  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 4491      | Lait en poudre                   | Milk powder                       | st                         | st     | st    | st    | -              | -      | 153  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 5540      | Lait entier en poudre            | Milk powder                       | -                          | -      | -     | -     | -              | -      | 206  | 0,06 | -           | -             | -      | -    | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 5541      | Lait en poudre écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9975   | 2,96 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 5542      | Lait en poudre écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 163  | 0,04 | -           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 5543      | Lait en poudre écrémé            | Skim milk powder                  | st                         | st     | st    | st    | -              | -      | 158  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 5544      | Lait en poudre écrémé            | Skim milk powder                  | st                         | st     | st    | st    | -              | -      | 153  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 7194      | Lait en poudre écrémé            | Skim milk powder                  | st                         | st     | st    | st    | -              | -      | 197  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 7195      | Lait en poudre écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10252  | 2,93 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 7196      | Lait en poudre écrémé            | Skim milk powder                  | st                         | st     | st    | st    | -              | -      | 208  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 7197      | Lait en poudre écrémé            | Skim milk powder                  | st                         | st     | st    | st    | -              | -      | 182  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | a              |
| ADRIA-2017    | 7198      | Lait en poudre demi-écrémé       | Half-skim milk powder             | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10187  | 2,91 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 7708      | Lait en poudre écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10096  | 2,94 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 7709      | Lait en poudre cuisine           | Milk powder                       | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10426  | 3,03 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 7710      | Lait en poudre écrémé            | Skim milk powder                  | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9248   | 2,69 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 7711      | Lait en poudre demi-écrémé       | Half-skim milk powder             | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10340  | 3,01 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | a              |
| ADRIA-2017    | 7869      | Lait en poudre entier            | Milk powder                       | st                         | st     | st    | st    | /              | -      | 257  | 0,07 | -           | st            | st     | st   | /              | -         | NA       | 7    | a              |
| ADRIA-2017    | 7870      | Lait en poudre demi-écrémé       | Half-skim milk powder             | st                         | st     | st    | st    | /              | -      | 249  | 0,07 | -           | st            | st     | st   | /              | -         | NA       | 7    | a              |
| ADRIA-2017    | 4492      | Lait infantile sans probiotiques | Infant formula without probiotics | st                         | st     | st    | st    | -              | -      | 156  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 7    | b              |
| ADRIA-2017    | 4493      | Lait infantile sans probiotiques | Infant formula without probiotics | st                         | st     | st    | st    | -              | -      | 162  | 0,04 | -           | st            | st     | st   | -              | -         | NA       | 7    | b              |
| ADRIA-2017    | 4494      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9987   | 2,96 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 4495      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10274  | 3,04 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 4496      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10150  | 3,01 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 5545      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10267  | 3,04 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 5546      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10377  | 3,08 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 5547      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9166   | 2,72 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 5548      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10229  | 3,03 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 5549      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10197  | 3,02 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 7199      | Lait infantile sans probiotiques | Infant formula without probiotics | st                         | st     | st    | st    | -              | -      | 206  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | b              |
| ADRIA-2017    | 7200      | Lait infantile sans probiotiques | Infant formula without probiotics | st                         | st     | st    | st    | -              | -      | 187  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | b              |
| ADRIA-2017    | 7201      | Lait infantile sans probiotiques | Infant formula without probiotics | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10335  | 2,95 | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017    | 7202      | Lait infantile sans probiotiques | Infant formula without probiotics | st                         | st     | st    | st    | -              | -      | 197  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | b              |
| ADRIA-2017    | 7203      | Lait infantile sans probiotiques | Infant formula without probiotics | st                         | st     | st    | st    | -              | -      | 192  | 0,05 | -           | st            | st     | st   | -              | -         | NA       | 7    | b              |

| MILK POWDERS (375 g sample size) |           |  |  |                            |        |       |       |                |        |  |           |             |               |        |      |                |           |          |      |                |
|----------------------------------|-----------|--|--|----------------------------|--------|-------|-------|----------------|--------|--|-----------|-------------|---------------|--------|------|----------------|-----------|----------|------|----------------|
| Date analysis                    | Sample no | Product (French name)  | Product  | Reference method: ISO 6579 |        |       |       |                |        | Alternative method : VIDAS SLM (Single selective enrichment) |           |             |               |        |      |                | Agreement | Category | Type |                |
|                                  |           |  |  | RVS                        |        | MKTTn |       | Identification | Result | RFV  | VT        | Test result | Confirmation  |        |      | Result         |           |          |      |                |
|                                  |           |  |  | XLD                        | SM ID2 | XLD   | SMID2 |                |        |  |           |             | RVS streaking |        |      |                |           |          |      | Identification |
|                                  |           |  |  |                            |        |       |       |                |        |  |           |             | XLD           | SM ID2 | ASAP |                |           |          |      |                |
| ADRIA-2017                       | 7712      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10275  | 2,99      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017                       | 7713      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9594   | 2,79      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | b              |
| ADRIA-2017                       | 7871      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | st                         | st     | st    | st    | /              | -      | 213  | 0,06      | -           | st            | st     | st   | /              | -         | NA       | 7    | b              |
| ADRIA-2017                       | 7872      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | st                         | st     | st    | st    | /              | -      | 238  | 0,07      | -           | st            | st     | st   | /              | -         | NA       | 7    | b              |
| ADRIA-2017                       | 7873      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | st                         | st     | st    | st    | /              | -      | 232  | 0,06      | -           | st            | st     | st   | /              | -         | NA       | 7    | b              |
| ADRIA-2017                       | 7874      | Lait infantile sans probiotiques                             | Infant formula without probiotics                          | st                         | st     | st    | st    | /              | -      | 243  | 0,07      | -           | st            | st     | st   | /              | -         | NA       | 7    | b              |
| ADRIA-2017                       | 4497      | Lait infantile avec probiotiques (3,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (3,2.10 <sup>6</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 166  | 0,04      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 4498      | Lait infantile avec probiotiques (6,4.10 <sup>5</sup> UFC/g) | Infant formula with probiotics (6,4.10 <sup>5</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10161  | 3,01      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 4499      | Lait infantile avec probiotiques (5,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (5,2.10 <sup>6</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 171  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 4500      | Lait infantile avec probiotiques (2,3.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (2,3.10 <sup>6</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 173  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 4501      | Lait infantile avec probiotiques (2,0.10 <sup>5</sup> UFC/g) | Infant formula with probiotics (2,0.10 <sup>5</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9864   | 138       | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 5550      | Lait infantile avec probiotiques (2,0.10 <sup>7</sup> CFU/g) | Infant formula with probiotics (2,0.10 <sup>7</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10255  | 3,04      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 5551      | Lait infantile avec probiotiques (2,4.10 <sup>5</sup> CFU/g) | Infant formula with probiotics (2,4.10 <sup>5</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 142/165  | 0,04/0,04 | -/-         | +p            | +p     | +p   | Salmonella spp | -         | ND       | 7    | c              |
| ADRIA-2017                       | 5552      | Lait infantile avec probiotiques (3,0.10 <sup>5</sup> CFU/g) | Infant formula with probiotics (3,0.10 <sup>5</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9018   | 2,67      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 5553      | Lait infantile avec probiotiques (1,4.10 <sup>7</sup> CFU/g) | Infant formula with probiotics (1,4.10 <sup>7</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9166   | 2,72      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 5554      | Lait infantile avec probiotiques (1,0.10 <sup>7</sup> CFU/g) | Infant formula with probiotics (1,0.10 <sup>7</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10067  | 2,98      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 5555      | Lait infantile avec probiotiques (6,7.10 <sup>6</sup> CFU/g) | Infant formula with probiotics (6,7.10 <sup>6</sup> CFU/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 10253  | 3,04      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 7204      | Lait infantile avec probiotiques (4,8.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (4,8.10 <sup>6</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 194  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 7205      | Lait infantile avec probiotiques (3,3.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (3,3.10 <sup>6</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 191  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 7206      | Lait infantile avec probiotiques (4,0.10 <sup>4</sup> UFC/g) | Infant formula with probiotics (4,0.10 <sup>4</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 173  | 0,04      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 7207      | Lait infantile avec probiotiques (2,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (2,2.10 <sup>6</sup> CFU/g) | st                         | st     | st    | st    | -              | -      | 181  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 7423      | Lait infantile avec probiotiques (4,8.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (4,8.10 <sup>6</sup> UFC/g) | st                         | st     | st    | st    | -              | -      | 178  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 7424      | Lait infantile avec probiotiques (3,3.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (3,3.10 <sup>6</sup> UFC/g) | st                         | st     | st    | st    | -              | -      | 209  | 0,05      | -           | st            | st     | st   | -              | -         | NA       | 7    | c              |
| ADRIA-2017                       | 7425      | Lait infantile avec probiotiques (4,0.10 <sup>4</sup> UFC/g) | Infant formula with probiotics (4,0.10 <sup>4</sup> UFC/g) | +p                         | +p     | +p    | +p    | Salmonella spp | +      | 9955   | 2,84      | +           | +p            | +p     | +p   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 7426      | Lait infantile avec probiotiques (2,2.10 <sup>6</sup> UFC/g) | Infant formula with probiotics (2,2.10 <sup>6</sup> UFC/g) | +M                         | +M     | +p    | +M    | Salmonella spp | +      | 9895   | 2,82      | +           | +M            | +M     | +M   | Salmonella spp | +         | PA       | 7    | c              |
| ADRIA-2017                       | 7875      | Lait infantile avec probiotiques (<2.10 <sup>3</sup> UFC/g)  | Infant formula with probiotics (<2.10 <sup>3</sup> CFU/g)  | st                         | st     | st    | st    | /              | -      | 253  | 0,07      | -           | st            | st     | st   | /              | -         | NA       | 7    | c              |

**Appendix 5 – Relative level of detection study: raw data**

IPL Legend:

Level of colonies on the plates:

- L = low
- M = medium
- H = high
- A = pure culture of the target
- B = majority of the target with background microflora
- C = minority of the target with background microflora
- D = few target colonies with background microflora
- E = no typical colonies

**Ground poultry meat (25 g) / Salmonella Hadar**

*(Study realised by IPL)*

16000 CFU/g and \*310 000 CFU/g

| Contamination level | Inoculation level (CFU/sample) | Reference method |       |       |       |         |            | Alternative method : VIDAS SLM |      |        |            | Comparison |
|---------------------|--------------------------------|------------------|-------|-------|-------|---------|------------|--------------------------------|------|--------|------------|------------|
|                     |                                | RVS              |       | MKttn |       | Resultt | Conclusion | Single selective enrichment    |      |        | Conclusion |            |
|                     |                                | XLD              | SMID2 | XLD   | SMID2 |         |            | RFV                            | VT   | Result |            |            |
| 1                   | 0                              | -HE              | -HE   | -HE   | -HE   | -       | 0/6        | 110                            | 0,03 | -      | 0/6        | =          |
|                     |                                | -HE              | -HE   | -HE   | -HE   | -       |            | 108                            | 0,03 | -      |            | =          |
|                     |                                | -HE              | -HE   | -HE   | -HE   | -       |            | 119                            | 0,03 | -      |            | =          |
|                     |                                | -HE              | -HE   | -HE   | -HE   | -       |            | 113                            | 0,03 | -      |            | =          |
|                     |                                | -ME              | -HE   | -HE   | -HE   | -       |            | 117                            | 0,03 | -      |            | =          |
|                     |                                | -HE              | -HE   | -HE   | -HE   | -       |            | 112                            | 0,03 | -      |            | =          |
| 2*                  | 0,5                            | +MC              | +MD   | +HB   | +HB   | +       | 3/6        | 11487                          | 3,24 | +      | 3/6        | =          |
|                     |                                | -ME              | -ME   | -HE   | -HE   | -       |            | 272                            | 0,07 | -      |            | =          |
|                     |                                | -ME              | -ME   | -HE   | -HE   | -       |            | 249                            | 0,07 | -      |            | =          |
|                     |                                | +MB              | +MC   | +HB   | +HB   | +       |            | 11309                          | 3,19 | +      |            | =          |
|                     |                                | +HC              | +HC   | +HC   | +HC   | +       |            | 11249                          | 3,17 | +      |            | =          |
|                     |                                | -HE              | -ME   | -HE   | -HE   | -       |            | 272                            | 0,07 | -      |            | =          |
| 3*                  | 1,12                           | +MB              | +MB   | +HB   | +HB   | +       | 5/6        | 10572                          | 2,98 | +      | 5/6        | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +       |            | 10553                          | 2,98 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +       |            | 10507                          | 2,96 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +       |            | 10407                          | 2,93 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +       |            | 10521                          | 2,97 | +      |            | =          |
|                     |                                | -HE              | -ME   | -HE   | -HE   | -       |            | 221                            | 0,06 | -      |            | =          |
| 4*                  | 1,75                           | +HC              | +HC   | +HB   | +HB   | +       | 6/6        | 8292                           | 2,34 | +      | 6/6        | =          |
|                     |                                | +MB              | +MC   | +HB   | +HC   | +       |            | 10464                          | 2,95 | +      |            | =          |
|                     |                                | +HC              | +HC   | +HC   | +HC   | +       |            | 10725                          | 3,02 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +       |            | 10445                          | 2,94 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HC   | +       |            | 10092                          | 2,85 | +      |            | =          |
|                     |                                | +HB              | +MB   | +HB   | +HB   | +       |            | 10658                          | 3,00 | +      |            | =          |

**Raw milk (25 mL) / Salmonella Typhimurium**

**(Study realised by IPL)**

9 000 000 CFU/g

| Contamination level | Inoculation level (CFU/sample) | Reference method |       |       |       |        |            | Alternative method : VIDAS SLM |      |        |            | Comparison |
|---------------------|--------------------------------|------------------|-------|-------|-------|--------|------------|--------------------------------|------|--------|------------|------------|
|                     |                                | RVS              |       | MKttn |       | Result | Conclusion | Single selective enrichment    |      |        | Conclusion |            |
|                     |                                | XLD              | SMID2 | XLD   | SMID2 |        |            | RFV                            | VT   | Result |            |            |
| 1                   | 0                              | -ME              | -ME   | -LE   | -ME   | -      | 0/6        | 327                            | 0,09 | -      | 0/6        | =          |
|                     |                                | -HE              | -LE   | -HE   | -HE   | -      |            | 340                            | 0,09 | -      |            | =          |
|                     |                                | -HE              | -ME   | -HE   | -HE   | -      |            | 350                            | 0,10 | -      |            | =          |
|                     |                                | -ME              | -LE   | -HE   | -HE   | -      |            | 300                            | 0,08 | -      |            | =          |
|                     |                                | -HE              | -LE   | -HE   | -HE   | -      |            | 306                            | 0,08 | -      |            | =          |
|                     |                                | -ME              | -LE   | -HE   | -HE   | -      |            | 290                            | 0,08 | -      |            | =          |
| 2                   | 0,4                            | -ME              | -ME   | -HE   | -HE   | -      | 1/6        | 301                            | 0,08 | -      | 1/6        | =          |
|                     |                                | -ME              | -HE   | -HE   | -HE   | -      |            | 304                            | 0,08 | -      |            | =          |
|                     |                                | -ME              | -ME   | -HE   | -HE   | -      |            | 302                            | 0,08 | -      |            | =          |
|                     |                                | -ME              | -ME   | -HE   | -HE   | -      |            | 302                            | 0,08 | -      |            | =          |
|                     |                                | +MB              | +HB   | +HB   | +HB   | +      |            | 10995                          | 3,22 | +      |            | =          |
|                     |                                | -HE              | -HE   | -HE   | -HE   | -      |            | 308                            | 0,09 | -      |            | =          |
| 3                   | 1,15                           | -LE              | -LE   | -HE   | -HE   | -      | 5/6        | 299                            | 0,08 | -      | 3/6        | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +      |            | 11079                          | 3,24 | +      |            | =          |
|                     |                                | -LE              | -LE   | +HB   | +HB   | +      |            | 339                            | 0,09 | -      |            | /          |
|                     |                                | -ME              | -ME   | +HB   | +HB   | +      |            | 437                            | 0,12 | -      |            | /          |
|                     |                                | +HB              | +MB   | +HA   | +HA   | +      |            | 11129                          | 3,26 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HA   | +HA   | +      |            | 10626                          | 3,11 | +      |            | =          |
| 4                   | 2,8                            | +MB              | +MB   | +HB   | +HB   | +      | 6/6        | 10286                          | 3,01 | +      | 6/6        | =          |
|                     |                                | +HB              | +HB   | +HA   | +HA   | +      |            | 10063                          | 2,95 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +      |            | 10190                          | 2,98 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +      |            | 10437                          | 3,06 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +      |            | 10361                          | 3,03 | +      |            | =          |
|                     |                                | +MB              | +HB   | +HB   | +HB   | +      |            | 10220                          | 2,99 | +      |            | =          |

**Fish fillet (25 g) / Salmonella Virchow**

**(Study realised by IPL)**

17 000 000 CFU/g

\* 1 100 000 CFU/g

| Contamination level | Inoculation level (CFU/sample) | Reference method |       |       |       |        |            | Alternative method : VIDAS SLM |      |        |            | Comparison |
|---------------------|--------------------------------|------------------|-------|-------|-------|--------|------------|--------------------------------|------|--------|------------|------------|
|                     |                                | RVS              |       | MKttn |       | Result | Conclusion | Single selective enrichment    |      |        | Conclusion |            |
|                     |                                | XLD              | SMID2 | XLD   | SMID2 |        |            | RFV                            | VT   | Result |            |            |
| 1                   | 0                              | -LE              | -LE   | -HE   | -HE   | -      | 0/6        | 132                            | 0,03 | -      | 0/6        | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 124                            | 0,03 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 142                            | 0,04 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 134                            | 0,03 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 137                            | 0,03 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 135                            | 0,03 | -      |            | =          |
| 2                   | 0,28                           | -LE              | -LE   | -HE   | -HE   | -      | 2/6        | 147                            | 0,04 | -      | 2/6        | =          |
|                     |                                | +LA              | +MA   | +HB   | +MB   | +      |            | 11335                          | 3,25 | +      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -ME   | -      |            | 141                            | 0,04 | -      |            | =          |
|                     |                                | +MB              | +LB   | +HB   | +HB   | +      |            | 10811                          | 3,10 | +      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 160                            | 0,04 | -      |            | =          |
| -LE                 | -LE                            | -HE              | -ME   | -     | 148   | 0,04   | -          | =                              |      |        |            |            |
| 3                   | 0,43                           | +MA              | +MA   | +HB   | +HB   | +      | 3/6        | 11101                          | 3,19 | +      | 3/6        | =          |
|                     |                                | +LB              | +MB   | +HB   | +HB   | +      |            | 10492                          | 3,01 | +      |            | =          |
|                     |                                | +MA              | +LA   | +HB   | +HB   | +      |            | 10773                          | 3,09 | +      |            | =          |
|                     |                                | -ME              | -LE   | -HE   | -HE   | -      |            | 133                            | 0,03 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 151                            | 0,04 | -      |            | =          |
|                     |                                | -ME              | -LE   | -HE   | -HE   | -      |            | 157                            | 0,04 | -      |            | =          |
| 4                   | 0,57                           | +LA              | +LA   | +HB   | +HB   | +      | 5/6        | 10207                          | 2,93 | +      | 5/6        | =          |
|                     |                                | +MA              | +LA   | +HB   | +HB   | +      |            | 10231                          | 2,94 | +      |            | =          |
|                     |                                | +LB              | +MB   | +HB   | +HB   | +      |            | 10011                          | 2,87 | +      |            | =          |
|                     |                                | +MA              | +MA   | +HB   | +MB   | +      |            | 10270                          | 2,95 | +      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -HE   | -      |            | 143                            | 0,04 | -      |            | =          |
|                     |                                | +MA              | +MA   | +HB   | +HB   | +      |            | 10446                          | 3,00 | +      |            | =          |
| 5*                  | 0,97                           | +MA              | +MA   | +HB   | +HB   | +      | 6/6        | 11203                          | 3,22 | +      | 6/6        | =          |
|                     |                                | +MB              | +MA   | +HB   | +HA   | +      |            | 10946                          | 3,14 | +      |            | =          |
|                     |                                | +MA              | +MA   | +HB   | +HB   | +      |            | 10486                          | 3,17 | +      |            | =          |
|                     |                                | +MA              | +MB   | +HB   | +HB   | +      |            | 11037                          | 3,10 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +      |            | 10787                          | 3,17 | +      |            | =          |
|                     |                                | +MA              | +MA   | +HB   | +HA   | +      |            | 11047                          | 2,97 | +      |            | =          |



**Liquid egg product (25 g) / Salmonella Enteritidis**

**(Study realised by IPL)**

220 CFU/g

| Contamination level | Inoculation level (CFU/sample) | Reference method |       |       |       |        |            | Alternative method : VIDAS SLM |      |        |            | Comparison |
|---------------------|--------------------------------|------------------|-------|-------|-------|--------|------------|--------------------------------|------|--------|------------|------------|
|                     |                                | RVS              |       | MKttn |       | Result | Conclusion | Single selective enrichment    |      |        | Conclusion |            |
|                     |                                | XLD              | SMID2 | XLD   | SMID2 |        |            | RFV                            | VT   | Result |            |            |
| 1                   | 0                              | -LE              | -LE   | -HE   | -ME   | -      | 0/6        | 313                            | 0,09 | -      | 0/6        | =          |
|                     |                                | -LE              | -LE   | -HE   | -ME   | -      |            | 295                            | 0,08 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -ME   | -      |            | 354                            | 0,10 | -      |            | =          |
|                     |                                | Ø                | Ø     | -ME   | -ME   | -      |            | 288                            | 0,08 | -      |            | =          |
|                     |                                | -LE              | -LE   | -HE   | -ME   | -      |            | 297                            | 0,08 | -      |            | =          |
|                     |                                | -LE              | Ø     | -ME   | -ME   | -      |            | 289                            | 0,08 | -      |            | =          |
| 2                   | 0,45                           | +MA              | +MA   | +HA   | +HA   | +      | 2/6        | 9320                           | 2,73 | +      | 2/6        | =          |
|                     |                                | +MA              | +MA   | +HA   | +HA   | +      |            | 9319                           | 2,73 | +      |            | =          |
|                     |                                | Ø                | Ø     | -ME   | -ME   | -      |            | 298                            | 0,08 | -      |            | =          |
|                     |                                | -LE              | -LE   | -ME   | -ME   | -      |            | 301                            | 0,08 | -      |            | =          |
|                     |                                | -ME              | -ME   | -ME   | -LE   | -      |            | 303                            | 0,08 | -      |            | =          |
|                     |                                | -ME              | -ME   | -ME   | -ME   | -      |            | 295                            | 0,08 | -      |            | =          |
| 3                   | 1,24                           | -LE              | -LE   | -HE   | -ME   | -      | 4/6        | 303                            | 0,08 | -      | 4/6        | =          |
|                     |                                | +LA              | +MB   | +HB   | +HB   | +      |            | 8448                           | 2,38 | +      |            | =          |
|                     |                                | +MA              | +MA   | +HA   | +HA   | +      |            | 8438                           | 2,38 | +      |            | =          |
|                     |                                | -LE              | -LE   | -ME   | -ME   | -      |            | 286                            | 0,08 | -      |            | =          |
|                     |                                | +HA              | +MB   | +HB   | +HB   | +      |            | 9104                           | 2,57 | +      |            | =          |
|                     |                                | +MA              | +MA   | +HA   | +MA   | +      |            | 8522                           | 2,40 | +      |            | =          |
| 4                   | 3,1                            | +MA              | +LA   | +HA   | +MA   | +      | 6/6        | 8701                           | 2,45 | +      | 6/6        | =          |
|                     |                                | +MA              | +MA   | +HB   | +HB   | +      |            | 8773                           | 2,47 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HA   | +HA   | +      |            | 8798                           | 2,48 | +      |            | =          |
|                     |                                | +MA              | +LA   | +HA   | +HA   | +      |            | 9184                           | 2,59 | +      |            | =          |
|                     |                                | +MA              | +MB   | +HB   | +HB   | +      |            | 9274                           | 2,61 | +      |            | =          |
|                     |                                | +MB              | +MB   | +HB   | +HB   | +      |            | 9195                           | 2,59 | +      |            | =          |

**Pâté for dog (25 g) / Salmonella Senftenberg**

**(Study realised by IPL)**

30 CFU/g

\* 20 CFU/g

| Contamination level | Inoculation level (CFU/sample) | Reference method |       |       |       |        |            | Alternative method : VIDAS SLM |      |        |            | Comparison |
|---------------------|--------------------------------|------------------|-------|-------|-------|--------|------------|--------------------------------|------|--------|------------|------------|
|                     |                                | RVS              |       | MKttn |       | Result | Conclusion | Single selective enrichment    |      |        | Conclusion |            |
|                     |                                | XLD              | SMID2 | XLD   | SMID2 |        |            | RFV                            | VT   | Result |            |            |
| 1                   | 0                              | Ø                | Ø     | Ø     | Ø     | -      | 0/6        | 111                            | 0,03 | -      | 0/6        | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 113                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 113                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 112                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 112                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 110                            | 0,03 | -      |            | =          |
| 2*                  | 0,62                           | +HA              | +MA   | +HA   | +HA   | +      | 1/6        | 9762                           | 2,80 | +      | 1/6        | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 120                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 118                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 116                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 114                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 116                            | 0,03 | -      |            | =          |
| 3*                  | 0,94                           | Ø                | Ø     | Ø     | Ø     | -      | 3/6        | 118                            | 0,03 | -      | 3/6        | =          |
|                     |                                | +MA              | +MA   | +HA   | +HA   | +      |            | 9185                           | 2,64 | +      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 117                            | 0,03 | -      |            | =          |
|                     |                                | Ø                | Ø     | Ø     | Ø     | -      |            | 114                            | 0,03 | -      |            | =          |
|                     |                                | +HA              | +HA   | +HA   | +HA   | +      |            | 9359                           | 2,69 | +      |            | =          |
|                     |                                | +HA              | +HA   | +HA   | +HA   | +      |            | 9197                           | 2,64 | +      |            | =          |
| 4                   | 1,14                           | +HA              | +HA   | +HA   | +HA   | +      | 6/6        | 10657                          | 3,02 | +      | 6/6        | =          |
|                     |                                | +HA              | +MA   | +HA   | +HA   | +      |            | 10868                          | 3,08 | +      |            | =          |
|                     |                                | +MA              | +HA   | +HA   | +HA   | +      |            | 10119                          | 2,87 | +      |            | =          |
|                     |                                | +MA              | +HA   | +HA   | +HA   | +      |            | 10304                          | 2,92 | +      |            | =          |
|                     |                                | +HA              | +HA   | +HA   | +HA   | +      |            | 10347                          | 2,93 | +      |            | =          |
|                     |                                | +HA              | +HA   | +HA   | +HA   | +      |            | 10731                          | 3,04 | +      |            | =          |

Matrix : Dark chocolate (375 g)  
 Strain : *Salmonella* Typhimurium Ad2034

Aerobic mesophilic flora : 60 CFU/g

(Study realised by ADRIA)

| N° sample | Level | Contamination level (cfu/sample) | ISO 6579 ♦ |      |      |      |              |                               | VIDAS SLM- Single     |     |      |      |                     |              |                               |
|-----------|-------|----------------------------------|------------|------|------|------|--------------|-------------------------------|-----------------------|-----|------|------|---------------------|--------------|-------------------------------|
|           |       |                                  | RVS        |      | MKTn |      | Final result | Number positive samples/Total | Test VIDAS SLM Single |     |      | RVS  |                     | Final result | Number positive samples/Total |
|           |       |                                  | XLD        | ASAP | XLD  | ASAP |              |                               | Result                | RFV | VT   | ASAP | Chrom ID salmonella |              |                               |
| 8104      | 0     | /                                | st         | st   | st   | st   | -            | 0/5                           | -                     | 163 | 0,04 | st   | st                  | -            | 0/5                           |
| 8105      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 143 | 0,04 | st   | st                  | -            |                               |
| 8106      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 155 | 0,04 | st   | st                  | -            |                               |
| 8107      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 158 | 0,04 | st   | st                  | -            |                               |
| 8108      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 170 | 0,05 | st   | st                  | -            |                               |
| 8194      | Low   | 0,8                              | st         | st   | st   | st   | -            | 7/20                          | -                     | 119 | 155  | st   | st                  | -            | 7/20                          |
| 8195      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 118 | 7480 | +p   | +p                  | +            |                               |
| 8196      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 124 | 7653 | +p   | +p                  | +            |                               |
| 8197      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 120 | 7209 | +p   | +p                  | +            |                               |
| 8198      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 119 | 138  | st   | st                  | -            |                               |
| 8199      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 118 | 7036 | +p   | +p                  | +            |                               |
| 8200      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 118 | 146  | st   | st                  | -            |                               |
| 8201      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 119 | 131  | st   | st                  | -            |                               |
| 8202      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 117 | 147  | st   | st                  | -            |                               |
| 8203      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 119 | 167  | st   | st                  | -            |                               |
| 8204      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 119 | 168  | st   | st                  | -            |                               |
| 8205      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 117 | 97   | st   | st                  | -            |                               |
| 8206      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 118 | 172  | st   | st                  | -            |                               |
| 8207      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 119 | 179  | st   | st                  | -            |                               |
| 8208      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 119 | 7479 | +p   | +p                  | +            |                               |
| 8209      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 118 | 7064 | +p   | +p                  | +            |                               |
| 8210      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 117 | 129  | st   | st                  | -            |                               |
| 8211      |       |                                  | st         | st   | st   | st   | -            |                               | -                     | 117 | 170  | st   | st                  | -            |                               |
| 8212      | -     | -                                | -          | -    | -    | -    | 117          | 170                           | -                     | -   | -    |      |                     |              |                               |
| 8213      | +p    | +p                               | +p         | +p   | +    | +    | 118          | 7229                          | +p                    | +p  | +    |      |                     |              |                               |

♦ Analyses performed according to the COFRAC accreditation

| N° sample | Level | Contamination level (cfu/sample) | ISO 6579 ♦ |      |      |      |              | VIDAS SLM- Single             |                       |      |      |      |                     |              |                               |
|-----------|-------|----------------------------------|------------|------|------|------|--------------|-------------------------------|-----------------------|------|------|------|---------------------|--------------|-------------------------------|
|           |       |                                  | RVS        |      | MKTn |      | Final result | Number positive samples/Total | Test VIDAS SLM Single |      |      | RVS  |                     | Final result | Number positive samples/Total |
|           |       |                                  | XLD        | ASAP | XLD  | ASAP |              |                               | Result                | RFV  | VT   | ASAP | Chrom ID salmonella |              |                               |
| 8084      | High  | 9,8                              | +p         | +p   | +p   | +p   | +            | 20/20                         | +                     | 7553 | 2,26 | +p   | +p                  | +            | 20/20                         |
| 8085      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7932 | 2,38 | +p   | +p                  | +            |                               |
| 8086      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7934 | 2,38 | +p   | +p                  | +            |                               |
| 8087      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7601 | 2,28 | +p   | +p                  | +            |                               |
| 8088      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 8254 | 2,47 | +p   | +p                  | +            |                               |
| 8089      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 8102 | 2,43 | +p   | +p                  | +            |                               |
| 8090      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7521 | 2,25 | +p   | +p                  | +            |                               |
| 8091      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 8626 | 2,58 | +p   | +p                  | +            |                               |
| 8092      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 8300 | 2,49 | +p   | +p                  | +            |                               |
| 8093      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 8050 | 2,41 | +p   | +p                  | +            |                               |
| 8094      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7656 | 2,29 | +p   | +p                  | +            |                               |
| 8095      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7908 | 2,37 | +p   | +p                  | +            |                               |
| 8096      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 8753 | 2,62 | +p   | +p                  | +            |                               |
| 8097      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7709 | 2,31 | +p   | +p                  | +            |                               |
| 8098      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7578 | 2,27 | +p   | +p                  | +            |                               |
| 8099      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7382 | 2,21 | +p   | +p                  | +            |                               |
| 8100      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7612 | 2,28 | +p   | +p                  | +            |                               |
| 8101      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7999 | 2,4  | +p   | +p                  | +            |                               |
| 8102      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7912 | 2,37 | +p   | +p                  | +            |                               |
| 8103      |       |                                  | +p         | +p   | +p   | +p   | +            |                               | +                     | 7945 | 2,38 | +p   | +p                  | +            |                               |

**Matrix : Infant formula with probiotics (375 g)**  
**Strain : Salmonella Mikawasima Ad1811**

Aerobic mesophilic flora (Lactic): 1,0.10<sup>6</sup> CFU/g

**(Study realised by ADRIA)**

| N° sample | Level | Contamination level (cfu/sample) | ISO 6579 ♦ |      |       |      |              |                               | VIDAS SLM- Single     |      |      |      |                     |              |                               |
|-----------|-------|----------------------------------|------------|------|-------|------|--------------|-------------------------------|-----------------------|------|------|------|---------------------|--------------|-------------------------------|
|           |       |                                  | RVS        |      | MKTTn |      | Final result | Number positive samples/Total | Test VIDAS SLM Single |      |      | RVS  |                     | Final result | Number positive samples/Total |
|           |       |                                  | XLD        | ASAP | XLD   | ASAP |              |                               | Result                | RFV  | VT   | ASAP | Chrom ID salmonella |              |                               |
| 7976      | 0     | /                                | st         | st   | st    | st   | -            | 0/5                           | -                     | 172  | 0,05 | st   | st                  | -            | 0/5                           |
| 7977      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 180  | 0,05 | st   | st                  | -            |                               |
| 7978      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 164  | 0,04 | st   | st                  | -            |                               |
| 7979      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 166  | 0,04 | st   | st                  | -            |                               |
| 7980      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 191  | 0,05 | st   | st                  | -            |                               |
| 8146      | Low   | 0,5                              | +p         | +p   | +p    | +p   | +            | 6/20                          | +                     | 9871 | 2,96 | +p   | +p                  | +            | 6/20                          |
| 8147      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 165  | 0,04 | st   | st                  | -            |                               |
| 8148      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 95   | 0,02 | st   | st                  | -            |                               |
| 8149      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 198  | 0,05 | st   | st                  | -            |                               |
| 8150      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 166  | 0,04 | st   | st                  | -            |                               |
| 8151      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 159  | 0,04 | st   | st                  | -            |                               |
| 8152      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9713 | 2,91 | +p   | +p                  | +            |                               |
| 8153      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 176  | 0,05 | st   | st                  | -            |                               |
| 8154      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9896 | 2,97 | +p   | +p                  | +            |                               |
| 8155      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 154  | 0,04 | st   | st                  | -            |                               |
| 8156      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9779 | 2,93 | +p   | +p                  | +            |                               |
| 8157      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 172  | 0,05 | st   | st                  | -            |                               |
| 8158      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9840 | 2,95 | +p   | +p                  | +            |                               |
| 8159      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 169  | 0,05 | st   | st                  | -            |                               |
| 8160      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 172  | 0,05 | st   | st                  | -            |                               |
| 8161      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9975 | 2,99 | +p   | +p                  | +            |                               |
| 8162      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 159  | 0,04 | st   | st                  | -            |                               |
| 8163      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 159  | 0,04 | st   | st                  | -            |                               |
| 8164      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 160  | 0,04 | st   | st                  | -            |                               |
| 8165      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 157  | 0,04 | st   | st                  | -            |                               |

♦ Analyses performed according to the COFRAC accreditation

| N° sample | Level | Contamination level (cfu/sample) | ISO 6579 ♦ |      |       |      |              | VIDAS SLM- Single             |                       |      |      |      |                     |              |                               |
|-----------|-------|----------------------------------|------------|------|-------|------|--------------|-------------------------------|-----------------------|------|------|------|---------------------|--------------|-------------------------------|
|           |       |                                  | RVS        |      | MKTTn |      | Final result | Number positive samples/Total | Test VIDAS SLM Single |      |      | RVS  |                     | Final result | Number positive samples/Total |
|           |       |                                  | XLD        | ASAP | XLD   | ASAP |              |                               | Result                | RFV  | VT   | ASAP | Chrom ID salmonella |              |                               |
| 7956      | High  | 2,3                              | st         | st   | st    | st   | -            | 16/20                         | -                     | 167  | 0,05 | st   | st                  | -            | 16/20                         |
| 7957      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9916 | 2,97 | +p   | +p                  | +            |                               |
| 7958      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9941 | 2,98 | +p   | +p                  | +            |                               |
| 7959      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9799 | 2,94 | +p   | +p                  | +            |                               |
| 7960      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9808 | 2,94 | +p   | +p                  | +            |                               |
| 7961      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9928 | 2,97 | +p   | +p                  | +            |                               |
| 7962      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 178  | 0,05 | st   | st                  | -            |                               |
| 7963      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 184  | 0,05 | st   | st                  | -            |                               |
| 7964      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9809 | 2,94 | +p   | +p                  | +            |                               |
| 7965      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9767 | 2,93 | +p   | +p                  | +            |                               |
| 7966      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9846 | 2,95 | +p   | +p                  | +            |                               |
| 7967      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9871 | 2,96 | +p   | +p                  | +            |                               |
| 7968      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9848 | 2,95 | +p   | +p                  | +            |                               |
| 7969      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9806 | 2,94 | +p   | +p                  | +            |                               |
| 7970      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9797 | 2,94 | +p   | +p                  | +            |                               |
| 7971      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9785 | 2,93 | +p   | +p                  | +            |                               |
| 7972      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9783 | 2,93 | +p   | +p                  | +            |                               |
| 7973      |       |                                  | st         | st   | st    | st   | -            |                               | -                     | 175  | 0,05 | st   | st                  | -            |                               |
| 7974      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9728 | 2,91 | +p   | +p                  | +            |                               |
| 7975      |       |                                  | +p         | +p   | +p    | +p   | +            |                               | +                     | 9947 | 2,98 | +p   | +p                  | +            |                               |

## Appendix 6 – Inclusivity and exclusivity study: raw data

| INITIAL VALIDATION (IPL, 2006) - INCLUSIVITY |   |                                   |                    |               |        |   |
|--|---|-----------------------------------|--------------------|---------------|--------|---|
| Strain                                       | Origin  | Inoculation rate<br>in 225 ml BPW | Alternative method |               |        |   |
|  |   |                                   | RFV                | Test<br>value | Result |   |
| S63  | <i>Salmonella</i> Agona                       | Beef                              | 13.2               | 10329         | 2.96   | + |
| S2   | <i>Salmonella</i> Amsterdam                   | Plants                            | 11.6               | 10263         | 2.91   | + |
| S1   | <i>Salmonella</i> Anatum                      | Chocolate                         | 27.0               | 10450         | 2.96   | + |
| S68  | <i>Salmonella</i> diarizonae III b 38 r:z     | Breeding of goose                 | 8.8                | 6054          | 1.74   | + |
| S76  | <i>Salmonella</i> diarizonae III b 61:-:-     | Turkey                            | 9.6                | 5291          | 1.52   | + |
| S75  | <i>Salmonella</i> diarizonae III b 61:i:z53   | Chicken leg                       | 10.8               | 4837          | 1.39   | + |
| S70  | <i>Salmonella</i> diarizonae III b 61:k:1,5,7 | Lamb's brains                     | 8.4                | 11491         | 3.30   | + |
| S78  | <i>Salmonella</i> diarizonae III b 61:z:1,5   | Turkey stew                       | 6.8                | 2551          | 0.73   | + |
| S87  | <i>Salmonella</i> Blockley                    | Basil                             | 8.0                | 10708         | 3.07   | + |
| S3   | <i>Salmonella</i> Brandenburg                 | Country terrine                   | 10.4               | 11073         | 3.14   | + |
| S5   | <i>Salmonella</i> Brandenburg                 | Pork's liver                      | 8.8                | 10576         | 3.04   | + |
| S6   | <i>Salmonella</i> Brandenburg                 | Meat of kangaroo                  | 16.4               | 10531         | 3.02   | + |
| S8   | <i>Salmonella</i> Bredeney                    | Pork offal                        | 10.8               | 11088         | 3.14   | + |
| S103   | <i>Salmonella</i> Cerro                       | Cabbage pastry cook               | 8.0                | 10256         | 2.94   | + |
| S9   | <i>Salmonella</i> Cubana                      | Soymeal                           | 10.0               | 11633         | 3.30   | + |
| S10  | <i>Salmonella</i> Derby                       | Horse meat                        | 11.2               | 11153         | 3.16   | + |
| S11  | <i>Salmonella</i> Derby                       | Pork's liver                      | 7.6                | 10180         | 2.92   | + |
| S14  | <i>Salmonella</i> Enteritidis                 | Pastry                            | 11.6               | 9852          | 2.79   | + |
| S38  | <i>Salmonella</i> Enteritidis                 | Ovoproduct                        | 9.2                | 9146          | 2.62   | + |
| S41  | <i>Salmonella</i> Enteritidis                 | Meat-based product                | 8.4                | 9208          | 2.64   | + |
| S43  | <i>Salmonella</i> Enteritidis                 | Ovoproduct                        | 12.8               | 10282         | 2.95   | + |
| S119   | <i>Salmonella</i> Gallinarum                  | Collection                        | 4.0                | 11476         | 3.36   | + |
| S15  | <i>Salmonella</i> Hadar                       | Meat of poultry                   | 9.2                | 11116         | 3.19   | + |
| S66  | <i>Salmonella</i> Havana                      | Poultry farm                      | 10.4               | 10232         | 3.00   | + |
| S50  | <i>Salmonella</i> Heidelberg                  | Poultry                           | 8.0                | 10720         | 3.08   | + |
| S65  | <i>Salmonella</i> immobile                    | Meat-based product                | 11.2               | 11127         | 3.26   | + |
| S45  | <i>Salmonella</i> Indiana                     | Brie de Meaux cheese              | 5.6                | 10639         | 3.05   | + |
| S19  | <i>Salmonella</i> Infantis                    | Meat of poultry                   | 9.2                | 10469         | 3.01   | + |
| S52  | <i>Salmonella</i> Infantis                    | Environment                       | 8.4                | 10652         | 3.06   | + |
| S80  | <i>Salmonella</i> Kedougou                    | Tuna                              | 9.2                | 9197          | 2.66   | + |
| S81  | <i>Salmonella</i> Kedougou                    | Feed                              | 8.0                | 10529         | 3.08   | + |
| S85  | <i>Salmonella</i> Liverpool                   | Feed                              | 12.8               | 9747          | 2.85   | + |
| S67  | <i>Salmonella</i> Llandoff                    | Feed                              | 7.6                | 11169         | 3.27   | + |
| S21  | <i>Salmonella</i> Mbandaka                    | Heart of calf                     | 4.8                | 9960          | 2.92   | + |
| S22  | <i>Salmonella</i> Michigan                    | Horse meat                        | 15.6               | 11199         | 3.28   | + |
| S23  | <i>Salmonella</i> Montevideo                  | Meat of poultry                   | 7.6                | 9574          | 2.80   | + |
| S25  | <i>Salmonella</i> Newport                     | Meat of poultry                   | 8.4                | 10919         | 3.20   | + |
| S90  | <i>Salmonella</i> Oranienburg                 | Feed                              | 8.8                | 9058          | 2.65   | + |
| S99  | <i>Salmonella</i> Paratyphi A                 | Collection                        | 6.0                | 5923          | 1.73   | + |
| S100   | <i>Salmonella</i> Paratyphi B                 | Collection                        | 5.2                | 11526         | 3.38   | + |
| S101   | <i>Salmonella</i> Paratyphi C                 | Collection                        | 8.8                | 10036         | 2.94   | + |
| S120   | <i>Salmonella</i> Pullorum                    | Collection                        | 5.3                | 11254         | 3.17   | + |
| S13  | <i>Salmonella</i> Saintpaul                   | Meat-based product                | 19.6               | 10484         | 2.97   | + |
| S59  | <i>Salmonella</i> San Diego                   | Dried herbs                       | 8.4                | 10226         | 2.99   | + |
| S111   | <i>Salmonella</i> Senftenberg                 | Fish meal                         | 11.2               | 9140          | 2.68   | + |
| S71  | <i>Salmonella</i> Senftenberg                 | Fish                              | 7.2                | 9104          | 2.67   | + |
| S102   | <i>Salmonella</i> Typhi Typhi                 | Collection                        | 17.5               | 11565         | 3.26   | + |

| INITIAL VALIDATION (IPL, 2006) - INCLUSIVITY |                               |              |                                |                    |            |        |
|--|-------------------------------|--------------|--------------------------------|--------------------|------------|--------|
| Strain                                       |                               | Origin       | Inoculation rate in 225 ml BPW | Alternative method |            |        |
|  |                               |              |                                | RFV                | Test value | Result |
| S26  | <i>Salmonella</i> Typhimurium | Pork's liver | 12.8                           | 11000              | 3.22       | +      |
| S33  | <i>Salmonella</i> Typhimurium | Ovoproduct   | 8.4                            | 11425              | 3.35       | +      |
| S31  | <i>Salmonella</i> Virchow     | Shell        | 8.0                            | 10876              | 3.12       | +      |
| S83  | <i>Salmonella</i> Westhampton | Feed         | 8.0                            | 8314               | 2.43       | +      |

| RENEWAL STUDY (IPL, 2010) - INCLUSIVITY |  |                                   |                                |                    |            |        |
|---|--|-----------------------------------|--------------------------------|--------------------|------------|--------|
| Strain                                  |  | Origin                            | Inoculation rate in 225 ml BPW | Alternative method |            |        |
|   |  |                                   |                                | RFV                | Test value | Result |
| S158                                    | <i>Salmonella arizonae</i> III a 48 :z4, z23 : - | Duck                              | 16.0                           | 12006              | 3.41       | +      |
| S159                                    | <i>Salmonella arizonae</i> III a 51 :z4, z23 : - | Duck                              | 7.5                            | 10028              | 2.85       | +      |
| S160                                    | <i>Salmonella arizonae</i> III b 38:l,v:z53      | Semolina of wheat                 | 11.0                           | 10525              | 2.99       | +      |
| S148                                    | <i>Salmonella</i> Dublin                         | Cow raw milk                      | 29.0                           | 10133              | 2.88       | +      |
| S49                                     | <i>Salmonella</i> Kottbus                        | Olive of turkey poult             | 17.0                           | 11782              | 3.35       | +      |
| S154                                    | <i>Salmonella</i> London                         | Environment (production workshop) | 31.0                           | 11497              | 3.27       | +      |
| S156                                    | <i>Salmonella</i> Livingstone                    | Environment (production workshop) | 20.0                           | 11973              | 3.40       | +      |
| S150                                    | <i>Salmonella</i> Manhattan                      | Dried sausage                     | 15.0                           | 11631              | 3.30       | +      |
| S152                                    | <i>Salmonella</i> Napoli                         | Duck                              | 12.0                           | 10103              | 2.87       | +      |
| S149                                    | <i>Salmonella</i> Regent                         | Muscovy (internal organs)         | 16.0                           | 10690              | 3.04       | +      |
| S151                                    | <i>Salmonella</i> Rissen                         | Environment (production workshop) | 17.0                           | 11099              | 3.15       | +      |

| RENEWAL STUDY (ADRIA Développement, 2014) - INCLUSIVITY |                                   |           |                                |                               |       |      |        |                    |
|---|-----------------------------------|-----------|--------------------------------|-------------------------------|-------|------|--------|--------------------|
| Strain  |                                   | Reference | Origin                         | Inoculation level CFU / 225ml | RFV   | VT   | Result | ChromID Salmonella |
| <i>Salmonella</i>                                       | Typhimurium S1 1,4 [5], 12 :- :-  | Ad 1333   | Tiramisu                       | 14                            | 8136  | 2.6  | +      | +                  |
| <i>Salmonella</i>                                       | Typhimurium S1 1,4 [5], 12 : i :- | Ad 1334   | Ready to reheat meal (Pork)    | 9                             | 11067 | 3.54 | +      | +                  |
| <i>Salmonella</i>                                       | Typhimurium SI 1,4,[5],12:-:1,2   | Ad 1335   | Environmental sample (Poultry) | 8                             | 11203 | 3.59 | +      | +                  |



| RENEWAL STUDY (ADRIA Développement, 2018) - INCLUSIVITY |            |                      |            |                              |                   |                     |            |        |                          |       |                          |       |
|---|------------|----------------------|------------|------------------------------|-------------------|---------------------|------------|--------|--------------------------|-------|--------------------------|-------|
| N°  | Strain     |                      | Reference  | Origin                       | Inoculation level | VIDAS SLM Test (SV) |            |        | Confirmation             |       |                          |       |
|   |            |                      |            |                              |                   | RFV                 | Test value | Result | ASAP                     |       | ChromID                  |       |
|   |            |                      |            |                              |                   |                     |            |        | Reading                  | Latex | Reading                  | Latex |
| 1   | Salmonella | Abaetetuba           | Ad2318     | /                            | 43                | 10223               | 2,91       | +      | +                        | +     | +                        | +     |
| 2   | Salmonella | Aberdeen             | CIP 105618 | /                            | 54                | 9699                | 2,76       | +      | +                        | +     | +                        | +     |
| 3   | Salmonella | Abortusequi          | Ad2321     | /                            | 19                | 6907                | 1,96       | +      | + (small white colonies) | +     | +                        | +     |
| 4   | Salmonella | Abortusovis          | Ad2320     | Ovine foetus                 | 49                | 6930                | 1,97       | +      | + (small white colonies) | +     | + (small white colonies) | +     |
| 5   | Salmonella | Adelaide             | Ad2319     | Turkey breeding environment  | 60                | 9782                | 2,78       | +      | + (bluish)               | +     | + (bluish)               | +     |
| 6   | Salmonella | Bareilly             | Ad 1687    | Chocolate industry           | 49                | 10178               | 2,9        | +      | +                        | +     | +                        | +     |
| 7   | Salmonella | bongori 66 :z35      | Ad 599     | Environmental sample         | 20                | 9195                | 2,62       | +      | + (pale colonies)        | +     | + (pale colonies)        | +     |
| 8   | Salmonella | Braenderup           | Adria 111  | Pork meat                    | 34                | 10157               | 2,89       | +      | +                        | +     | +                        | +     |
| 9   | Salmonella | Caracas              | Ad2322     | Spice                        | 70                | 10290               | 2,93       | +      | +                        | +     | +                        | +     |
| 10  | Salmonella | Chester              | CIP 103543 | /                            | 40                | 7377                | 2,1        | +      | +                        | +     | +                        | +     |
| 11  | Salmonella | diarizonae 38:lv:z53 | Ad 451     | Ewe milk cheese              | 52                | 8174                | 2,33       | +      | +                        | +     | +                        | +     |
| 12  | Salmonella | Gaminara             | Ad2324     | Boar meat                    | 34                | 10382               | 2,95       | +      | +                        | +     | +                        | +     |
| 13  | Salmonella | Give                 | 436        | Ground beef                  | 48                | 10363               | 2,95       | +      | +                        | +     | +                        | +     |
| 14  | Salmonella | houtenae 50:g,z51    | Ad 596     | Dairy product                | 25                | 10100               | 2,87       | +      | +                        | +     | +                        | +     |
| 15  | Salmonella | Hvittingfoss         | Ad2325     | Raw stuff                    | 49                | 10294               | 2,93       | +      | +                        | +w    | +                        | +W    |
| 16  | Salmonella | indica               | Ad 600     | Environmental sample         | 49                | 9905                | 2,82       | +      | +                        | +     | + (pale colonies)        | +     |
| 17  | Salmonella | indica11:b:e,n,x     | Ad2337     | Chicken breeding environment | 36                | 10230               | 2,91       | +      | + (pale colonies)        | +     | + (pale colonies)        | +     |
| 18  | Salmonella | Javiana              | Ad2326     | Turkey meat                  | 33                | 9249                | 2,63       | +      | +                        | +     | +                        | +     |
| 19  | Salmonella | Kentucky             | Ad1756     | Poultry environmental sample | 42                | 10179               | 2,9        | +      | +                        | +     | +                        | +     |
| 20  | Salmonella | Lille                | Adria 37   | Food product                 | 46                | 9624                | 2,74       | +      | +                        | +     | +                        | +     |
| 21  | Salmonella | Meleagridis          | 505        | Raw milk                     | 39                | 9763                | 2,78       | +      | +                        | +     | +                        | +     |
| 22  | Salmonella | Minnesota            | Ad2328     | Feed                         | 47                | 8971                | 2,55       | +      | +                        | +     | +                        | +     |
| 23  | Salmonella | Missisipi            | Ad2329     | Parakeet                     | 37                | 9273                | 2,64       | +      | +                        | +     | +                        | +     |
| 24  | Salmonella | Muenchen             | CIP 106178 |                              | 11                | 10420               | 2,97       | +      | +                        | +     | +                        | +     |
| 25  | Salmonella | Panama               | Adria 8    | Ground beef                  | 11                | 9332                | 2,66       | +      | +                        | +     | +                        | +     |
| 26  | Salmonella | Poona                | Ad2330     | Poultry feed                 | 14                | 10211               | 2,91       | +      | +                        | +     | +                        | +     |
| 27  | Salmonella | Putten               | Ad2331     | Feed for chicken             | 22                | 10018               | 2,85       | +      | +                        | +     | +                        | +     |
| 28  | Salmonella | Rubislaw             | Ad2332     | Shark cartilage              | 14                | 9781                | 2,78       | +      | +                        | +     | +                        | +     |
| 29  | Salmonella | salamae 42ib:enxz15  | Ad 593     | Cereals                      | 14                | 9809                | 2,79       | +      | +                        | +     | + (pale colonies)        | +     |
| 30  | Salmonella | Schwarzengrund       | Ad2333     | Egg products environment     | 13                | 10470               | 2,98       | +      | +                        | +     | +                        | +     |
| 31  | Salmonella | Stanley              | Ad 1688    | Chocolate industry           | 21                | 7342                | 2,09       | +      | +                        | +     | +                        | +     |
| 32  | Salmonella | Tennessee            | A00E006    | Dusts from dairy industry    | 33                | 10069               | 2,87       | +      | +                        | +     | +                        | +     |
| 33  | Salmonella | Thompson             | AER301     | Poultry                      | 27                | 9965                | 2,84       | +      | +                        | +     | +                        | +     |
| 34  | Salmonella | Urbana               | Ad2334     | Shrimps                      | 43                | 10162               | 2,89       | +      | +                        | +     | +                        | +     |
| 35  | Salmonella | Veneziana            | Adria 233  | Food product                 | 14                | 9546                | 2,72       | +      | +                        | +     | +                        | +     |
| 36  | Salmonella | Wandsworth           | Ad2335     | Fillet of mullet             | 24                | 9677                | 2,75       | +      | +                        | +     | +                        | +     |
| 37  | Salmonella | Weltevreden          | Ad2336     | Treated water                | 36                | 7159                | 2,04       | +      | +                        | +     | +                        | +     |

| INITIAL VALIDATION (IPL, 2006) - EXCLUSIVITY                                  |                                   |                       |                                |                    |            |        |                  |       |                  |       |
|---|-----------------------------------|-----------------------|--------------------------------|--------------------|------------|--------|------------------|-------|------------------|-------|
| Strain  |                                   | Origin                | Inoculation rate in 225 ml BPW | Alternative method |            |        | Reference method |       |                  |       |
|   |                                   |                       |                                | RFV                | Test value | Result | RVS plating on   |       | MKTTn plating on |       |
|   |                                   |                       |                                |                    |            |        | XLD              | SMID2 | XLD              | SMID2 |
| CIT30   | <i>Citrobacter diversus</i>       | Feed                  | 1.8E+06                        | 11150              | 3.27       | +      | -                | -     | -                | -     |
|   |                                   |                       | 1.4E+06                        | 10376              | 3.04       | +      | -                | -     | -                | -     |
| EN52  | <i>Citrobacter diversus</i>       | Dried herbs           | 1.8E+06                        | 11427              | 3.35       | +      | -                | -     | -                | -     |
| CIT24   | <i>Citrobacter freundii</i>       | Meat-based product    | 1.0E+06                        | 278                | 0.08       | -      | -                | -     | -                | -     |
| CIT23   | <i>Citrobacter freundii</i>       | Vegetables            | 1.0E+06                        | 2269               | 0.66       | +      | -                | -     | -                | -     |
|   |                                   |                       | 2.3E+05                        | 292                | 0.08       | -      | -                | -     | -                | -     |
| CIT26   | <i>Citrobacter freundii</i>       | Fish                  | 1.0E+06                        | 262                | 0.07       | -      | -                | -     | -                | -     |
| CIT27   | <i>Citrobacter freundii</i>       | Milk                  | 1.4E+06                        | 281                | 0.08       | -      | -                | -     | -                | -     |
| ENT51   | <i>Enterobacter cloacae</i>       | Dairy product         | 4.0E+05                        | 271                | 0.07       | -      | -                | -     | -                | -     |
| ENT59   | <i>Enterobacter sakazakii</i>     | Pastry                | 1.8E+06                        | 274                | 0.08       | -      | -                | -     | -                | -     |
| EC17  | <i>Escherichia coli</i>           | Pork's kidney         | 1.4E+06                        | 254                | 0.07       | -      | -                | -     | -                | -     |
| EC19  | <i>Escherichia coli</i>           | Red cabbage           | 7.5E+05                        | 316                | 0.09       | -      | -                | -     | -                | -     |
| EC15  | <i>Escherichia coli</i>           | Caul                  | 1.9E+06                        | 271                | 0.07       | -      | -                | -     | -                | -     |
| HA31  | <i>Hafnia alvei</i>               | Minced meat           | 1.9E+06                        | 246                | 0.06       | -      | -                | -     | -                | -     |
| HA32  | <i>Hafnia alvei</i>               | Raw milk              | 1.8E+06                        | 273                | 0.07       | -      | -                | -     | -                | -     |
| EN71  | <i>Klebsiella oxytoca</i>         | Milk                  | 6.6E+05                        | 270                | 0.07       | -      | -                | -     | -                | -     |
| KL77  | <i>Klebsiella pneumoniae</i>      | Milk powder           | 1.1E+06                        | 278                | 0.08       | -      | -                | -     | -                | -     |
| EN44  | <i>Proteus mirabilis</i>          | Chicken liver         | 1.5E+06                        | 246                | 0.06       | -      | -                | -     | -                | -     |
| PS30  | <i>Pseudomonas aeruginosa</i>     | Red mullet filet      | 1.4E+05                        | 290                | 0.07       | -      | -                | -     | -                | -     |
| PS33  | <i>Pseudomonas fluorescens</i>    | Minced meat           | 9.4E+04                        | 288                | 0.08       | -      | -                | -     | -                | -     |
| EN49  | <i>Serratia marcescens</i>        | Raw milk              | 9.3E+05                        | 270                | 0.07       | -      | -                | -     | -                | -     |
| EN73  | <i>Shigella sonnei</i>            | Meat product          | 7.1E+05                        | 393                | 0.10       | -      | -                | -     | -                | -     |
| EN72  | <i>Shigella flexneri</i>          | Meat product          | 1.2E+06                        | 353                | 0.09       | -      | -                | -     | -                | -     |
| BA1   | <i>Bacillus cereus</i>            | Ovoproduit            | 6.2E+04                        | 168                | 0.04       | -      | -                | -     | -                | -     |
| ST1   | <i>Staphylococcus aureus</i>      | Collection            | 3.5E+05                        | 178                | 0.05       | -      | -                | -     | -                | -     |
| ST20  | <i>Staphylococcus epidermidis</i> | Collection ATCC 12228 | 2.0E+05                        | 293                | 0.08       | -      | -                | -     | -                | -     |
| LE1   | <i>Rhodotorula rubra</i>          | Pastry                | 3.7E+05                        | 300                | 0.08       | -      | -                | -     | -                | -     |
| LE5   | <i>Saccharomyces cerevisiae</i>   | Extract of coffee     | 3.5E+05                        | 304                | 0.08       | -      | -                | -     | -                | -     |
| LE3   | <i>Candida albicans</i>           | Pastry                | 3.5E+04                        | 374                | 0.10       | -      | -                | -     | -                | -     |
| BA16  | <i>Bacillus licheniformis</i>     | Custard               | 1.2E+05                        | 228                | 0.06       | -      | -                | -     | -                | -     |
| 17  | <i>Erwinia spp</i>                | Meat-based product    | 6.2E+04                        | 261                | 0.07       | -      | -                | -     | -                | -     |
| 20  | <i>Arthrobacter nicotianae</i>    | Collection            | 3.9E+05                        | 294                | 0.08       | -      | -                | -     | -                | -     |
| Complete alternative method (BPW + RVS, MKTTn + M broth) and reference method |                                   |                       |                                |                    |            |        |                  |       |                  |       |
| CIT30   | <i>Citrobacter diversus</i>       | Feed                  | 3.1E+08                        | 10280              | 2.93       | +      | -                | -     | -                | -     |
| EN52  | <i>Citrobacter diversus</i>       | Dried herbs           | 2.8E+08                        | 11337              | 3.23       | +      | -                | -     | -                | -     |
| CIT23   | <i>Citrobacter freundii</i>       | Plants                | 3.7E+08                        | 325                | 0.09       | -      | -                | -     | -                | -     |

**Appendix 7 - Inter-laboratory study: raw data (study realised by IPL)**

**Laboratoy C**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 297   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 298   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 292   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 273   | 0,07 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 282   | 0,07 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 298   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 307   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 294   | 0,08 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 12683   | 3,55 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 12537   | 3,51 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 11729   | 3,28 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 12390   | 3,47 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 12219   | 3,42 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 11726   | 3,28 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 11457   | 3,21 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 11489   | 3,22 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 12558   | 3,51 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 12070   | 3,38 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 11860   | 3,32 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 11564   | 3,24 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 11548   | 3,23 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 11683   | 3,27 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 11523   | 3,22 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 11626   | 3,25 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  | 10    |       |       |        |   |      |             |              |        |           |

**Laboratoy D**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 305   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 291   | 0,07 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 317   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 297   | 0,07 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 298   | 0,07 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 298   | 0,07 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 297   | 0,07 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 295   | 0,07 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 12690   | 3,36 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 12681   | 3,36 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 10640   | 2,82 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 10211   | 2,70 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 12605   | 3,34 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 12468   | 3,30 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 10546   | 3,79 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 10311   | 2,73 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 12723   | 3,37 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 12542   | 3,32 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 10344   | 2,74 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 12348   | 3,27 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 12501   | 3,31 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 12448   | 3,30 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 10228   | 2,71 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 9789  | 2,59 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  | <10   |       |       |        |   |      |             |              |        |           |

**Laboratoy E**

| Sample N° | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-----------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|           | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|           | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1         | +                | +     | +     | +     | +      | 10910   | 2,94 | +           | +            | +      | PA        |
| 4         | +                | +     | +     | +     | +      | 11127   | 3,00 | +           | +            | +      | PA        |
| 7         | +                | +     | +     | +     | +      | 11610   | 3,13 | +           | +            | +      | PA        |
| 10        | +                | +     | +     | +     | +      | 11259   | 3,03 | +           | +            | +      | PA        |
| 11        | +                | +     | +     | +     | +      | 11077   | 2,98 | +           | +            | +      | PA        |
| 16        | +                | +     | +     | +     | +      | 11546   | 3,08 | +           | +            | +      | PA        |
| 19        | +                | +     | +     | +     | +      | 11464   | 3,06 | +           | +            | +      | PA        |
| 22        | +                | +     | +     | +     | +      | 331   | 0,08 | -           | /            | -      | ND        |
| 2         | +                | +     | +     | +     | +      | 10979   | 2,96 | +           | +            | +      | PA        |
| 5         | +                | +     | +     | +     | +      | 11301   | 3,05 | +           | +            | +      | PA        |
| 8         | +                | +     | +     | +     | +      | 11496   | 3,10 | +           | +            | +      | PA        |
| 12        | +                | +     | +     | +     | +      | 10978   | 2,96 | +           | +            | +      | PA        |
| 13        | +                | +     | +     | +     | +      | 11619   | 3,10 | +           | +            | +      | PA        |
| 17        | +                | +     | +     | +     | +      | 11663   | 3,11 | +           | +            | +      | PA        |
| 20        | +                | +     | +     | +     | +      | 11218   | 2,99 | +           | +            | +      | PA        |
| 23        | +                | +     | +     | +     | +      | 11357   | 3,03 | +           | +            | +      | PA        |
| 3         | +                | +     | +     | +     | +      | 11292   | 3,04 | +           | +            | +      | PA        |
| 6         | +                | +     | +     | +     | +      | 10852   | 2,92 | +           | +            | +      | PA        |
| 9         | +                | +     | +     | +     | +      | 11412   | 3,08 | +           | +            | +      | PA        |
| 14        | +                | +     | +     | +     | +      | 11693   | 3,12 | +           | +            | +      | PA        |
| 15        | +                | +     | +     | +     | +      | 11604   | 3,09 | +           | +            | +      | PA        |
| 18        | +                | +     | +     | +     | +      | 11456   | 3,05 | +           | +            | +      | PA        |
| 21        | +                | +     | +     | +     | +      | 11346   | 3,02 | +           | +            | +      | PA        |
| 24        | +                | +     | +     | +     | +      | 11089   | 2,96 | +           | +            | +      | PA        |

Aerobic mesophilic flora (CFU/ml) : <10

**Laboratoy H**

| Sample N° | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-----------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|           | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|           | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1         | -                | -     | -     | -     | -      | 310   | 0,08 | -           | -            | -      | NA        |
| 4         | -                | -     | -     | -     | -      | 306   | 0,08 | -           | -            | -      | NA        |
| 7         | -                | -     | -     | -     | -      | 312   | 0,08 | -           | -            | -      | NA        |
| 10        | -                | -     | -     | -     | -      | 300   | 0,08 | -           | -            | -      | NA        |
| 11        | -                | -     | -     | -     | -      | 335   | 0,09 | -           | -            | -      | NA        |
| 16        | -                | -     | -     | -     | -      | 300   | 0,08 | -           | -            | -      | NA        |
| 19        | -                | -     | -     | -     | -      | 306   | 0,08 | -           | -            | -      | NA        |
| 22        | -                | -     | -     | -     | -      | 305   | 0,08 | -           | -            | -      | NA        |
| 2         | +                | +     | +     | +     | +      | 13206   | 3,57 | +           | +            | +      | PA        |
| 5         | +                | +     | +     | +     | +      | 13499   | 3,65 | +           | +            | +      | PA        |
| 8         | +                | +     | +     | +     | +      | 13353   | 3,61 | +           | +            | +      | PA        |
| 12        | +                | +     | +     | +     | +      | 12949   | 3,50 | +           | +            | +      | PA        |
| 13        | +                | +     | +     | +     | +      | 12888   | 3,49 | +           | +            | +      | PA        |
| 17        | +                | +     | +     | +     | +      | 13480   | 3,65 | +           | +            | +      | PA        |
| 20        | +                | +     | +     | +     | +      | 13514   | 3,66 | +           | +            | +      | PA        |
| 23        | +                | +     | +     | +     | +      | 13334   | 3,61 | +           | +            | +      | PA        |
| 3         | +                | +     | +     | +     | +      | 14071   | 3,81 | +           | +            | +      | PA        |
| 6         | +                | +     | +     | +     | +      | 13392   | 3,62 | +           | +            | +      | PA        |
| 9         | +                | +     | +     | +     | +      | 13027   | 3,53 | +           | +            | +      | PA        |
| 14        | +                | +     | +     | +     | +      | 13289   | 3,60 | +           | +            | +      | PA        |
| 15        | +                | +     | +     | +     | +      | 13061   | 3,53 | +           | +            | +      | PA        |
| 18        | +                | +     | +     | +     | +      | 13677   | 3,70 | +           | +            | +      | PA        |
| 21        | +                | +     | +     | +     | +      | 13655   | 3,70 | +           | +            | +      | PA        |
| 24        | +                | +     | +     | +     | +      | 13119   | 3,55 | +           | +            | +      | PA        |

Aerobic mesophilic flora (CFU/ml) : 10

**Laboratoy I**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 286   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | /     | /     | /      | 286   | 0,08 | -           | -            | -      | PD        |
| 7                                   | -                | -     | -     | -     | -      | 293   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 286   | 0,08 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 293   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 292   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 291   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 301   | 0,08 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 9515  | 2,75 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 9680  | 2,80 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 10014   | 2,90 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 10135   | 2,93 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 9697  | 2,80 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 9821  | 2,84 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 10053   | 2,91 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 10158   | 2,94 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 9169  | 2,65 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 9566  | 2,77 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 9651  | 2,79 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 9278  | 2,68 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 9084  | 2,63 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 9717  | 2,81 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 9846  | 2,85 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 9680  | 2,80 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       |       | 1      |   |      |             |              |        |           |

**Laboratoy J**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 289   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 289   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 283   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 288   | 0,08 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 294   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 287   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 281   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 478   | 0,14 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 7753  | 2,31 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 9531  | 2,84 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 9871  | 2,94 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 9571  | 2,85 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 9654  | 2,87 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 9015  | 2,68 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 9559  | 2,84 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 9460  | 2,81 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 9182  | 2,73 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 9464  | 2,82 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 9326  | 2,77 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 9454  | 2,82 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 9073  | 2,70 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 8972  | 2,67 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 9037  | 2,69 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 9372  | 2,79 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       |       | <10    |   |      |             |              |        |           |

**Laboratoy K**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 279   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 271   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 280   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 276   | 0,08 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 273   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 270   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 284   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 271   | 0,08 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 10773   | 3,23 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 11201   | 3,36 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 10726   | 3,22 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 10669   | 3,20 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 10676   | 3,20 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 10806   | 3,24 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 10535   | 3,16 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 10948   | 3,28 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 11006   | 3,30 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 10920   | 3,28 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 10766   | 3,23 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 10674   | 3,20 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 11019   | 3,31 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 11045   | 3,31 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 10385   | 3,11 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 10695   | 3,21 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       |       | <1     |   |      |             |              |        |           |

**Laboratoy L**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 335   | 0,10 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 284   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 337   | 0,10 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 615   | 0,18 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 296   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 287   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 286   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 298   | 0,08 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 13167   | 3,93 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 13257   | 3,96 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 12036   | 3,59 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 12224   | 3,65 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 13698   | 4,09 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 14110   | 4,21 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 13433   | 4,01 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 13691   | 4,09 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 13085   | 3,90 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 13357   | 3,99 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 11787   | 3,52 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 13702   | 4,09 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 13985   | 4,17 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 14146   | 4,22 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 13383   | 3,99 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 13762   | 4,11 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       |       | 3      |   |      |             |              |        |           |

**Laboratoy M**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 298   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 292   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 293   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 292   | 0,08 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 297   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 290   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 301   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 296   | 0,08 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 12554   | 3,48 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 12982   | 3,60 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 12972   | 3,59 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 12653   | 3,50 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 12430   | 3,44 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 12525   | 3,47 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 11268   | 3,12 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 11550   | 3,20 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 12543   | 3,47 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 12160   | 3,64 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 12820   | 3,55 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 12497   | 3,46 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 12299   | 3,41 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 12288   | 3,40 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 11105   | 3,07 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 11298   | 3,13 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       |       | 1      |   |      |             |              |        |           |

**Laboratoy N**

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 296   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 297   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 301   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 297   | 0,08 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 301   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 295   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 296   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 301   | 0,08 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 10359   | 2,88 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 10811   | 3,00 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 10605   | 2,95 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 10671   | 2,96 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 10561   | 2,93 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 10409   | 2,89 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 11477   | 3,19 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 11892   | 3,30 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 10162   | 2,82 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 10824   | 3,01 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 10049   | 2,79 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 10348   | 2,88 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 10231   | 2,84 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 10464   | 2,91 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 11068   | 3,08 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 11573   | 3,22 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       |       | <1     |   |      |             |              |        |           |

## Laboratory O

| Sample N°                           | Reference method |       |       |       |        | Alternative method:<br>VIDAS SLM -Single enrichment broth |      |             |              |        | Agreement |
|-------------------------------------|------------------|-------|-------|-------|--------|---|------|-------------|--------------|--------|-----------|
|                                     | RVS              |       | MKTTn |       | Result | Test  |      | Test result | Confirmation | Result |           |
|                                     | XLD              | SMID2 | XLD   | SMID2 |        | RFV   | VT   |             |              |        |           |
| 1                                   | -                | -     | -     | -     | -      | 278   | 0,08 | -           | -            | -      | NA        |
| 4                                   | -                | -     | -     | -     | -      | 274   | 0,08 | -           | -            | -      | NA        |
| 7                                   | -                | -     | -     | -     | -      | 274   | 0,08 | -           | -            | -      | NA        |
| 10                                  | -                | -     | -     | -     | -      | 272   | 0,08 | -           | -            | -      | NA        |
| 11                                  | -                | -     | -     | -     | -      | 272   | 0,08 | -           | -            | -      | NA        |
| 16                                  | -                | -     | -     | -     | -      | 267   | 0,08 | -           | -            | -      | NA        |
| 19                                  | -                | -     | -     | -     | -      | 272   | 0,08 | -           | -            | -      | NA        |
| 22                                  | -                | -     | -     | -     | -      | 265   | 0,07 | -           | -            | -      | NA        |
| 2                                   | +                | +     | +     | +     | +      | 9972  | 3,00 | +           | +            | +      | PA        |
| 5                                   | +                | +     | +     | +     | +      | 10862   | 3,26 | +           | +            | +      | PA        |
| 8                                   | +                | +     | +     | +     | +      | 11005   | 3,31 | +           | +            | +      | PA        |
| 12                                  | +                | +     | +     | +     | +      | 11123   | 3,34 | +           | +            | +      | PA        |
| 13                                  | +                | +     | +     | +     | +      | 10153   | 3,05 | +           | +            | +      | PA        |
| 17                                  | +                | +     | +     | +     | +      | 10648   | 3,20 | +           | +            | +      | PA        |
| 20                                  | +                | +     | +     | +     | +      | 10705   | 3,22 | +           | +            | +      | PA        |
| 23                                  | +                | +     | +     | +     | +      | 10970   | 3,30 | +           | +            | +      | PA        |
| 3                                   | +                | +     | +     | +     | +      | 10276   | 3,09 | +           | +            | +      | PA        |
| 6                                   | +                | +     | +     | +     | +      | 10564   | 3,17 | +           | +            | +      | PA        |
| 9                                   | +                | +     | +     | +     | +      | 10849   | 3,26 | +           | +            | +      | PA        |
| 14                                  | +                | +     | +     | +     | +      | 9660  | 2,90 | +           | +            | +      | PA        |
| 15                                  | +                | +     | +     | +     | +      | 10101   | 3,03 | +           | +            | +      | PA        |
| 18                                  | +                | +     | +     | +     | +      | 10406   | 3,13 | +           | +            | +      | PA        |
| 21                                  | +                | +     | +     | +     | +      | 10653   | 3,20 | +           | +            | +      | PA        |
| 24                                  | +                | +     | +     | +     | +      | 10835   | 3,26 | +           | +            | +      | PA        |
| Aerobic mesophilic flora (CFU/ml) : |                  |       |       | 1     |        |   |      |             |              |        |           |