

## NF VALIDATION

### Validation of alternative analytical methods

*Application in food microbiology*

#### Summary report

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

#### **RAPID'E. coli O157:H7**

(Certificate number: BRD 07/14-09/07)

for the detection of *Escherichia coli* O157:H7 in meat products,  
dairy products, fruits and vegetables, composite foods

#### Qualitative method

> <b>Expert Laboratory:</b>	<b>ADRIA</b> ZA Creac'h Gwen 29196 Quimper Cedex (France)
> <b>For:</b>	<b>BIO-RAD</b> 3 boulevard Raymond Poincaré 92430 Marnes-La-Coquette (France)

This report consists of 77 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♦.

Version 0  
23 October 2023



ADRIA > ZA Creac'h Gwen > 29000 Quimper > +33(0)2 98 10 18 18  
**adria.tm.fr** > adria-formationagroalimentaire.fr  
Association loi de 1901 > N° existence 53290006329  
N° Siret 306 964 271 00036 > N° TVA FR45306964271

<b>1</b>	<b>INTRODUCTION</b>	<b>4</b>
<b>2</b>	<b>METHOD PROTOCOLS</b>	<b>4</b>
<b>2.1</b>	<b>Alternative method</b>	<b>4</b>
<b>2.1.1</b>	<i>Principle</i>	4
<b>2.1.2</b>	<i>Protocol</i>	5
<b>2.1.3</b>	<i>Restrictions</i>	5
<b>2.2</b>	<b>Reference method</b>	<b>5</b>
<b>2.3</b>	<b>Study design</b>	<b>5</b>
<b>3</b>	<b>INITIAL VALIDATION, EXTENSION/RENEWAL STUDIES: RESULTS</b>	<b>6</b>
<b>3.1</b>	<b>Method Comparison Study</b>	<b>6</b>
<b>3.1.1</b>	<i>Sensitivity study</i>	6
<b>3.1.2</b>	<i>Relative level of detection</i>	14
<b>3.1.3</b>	<i>Conclusion</i>	16
<b>3.1.4</b>	<i>Inclusivity / exclusivity</i>	16
<b>3.1.5</b>	<i>Practicability</i>	18
<b>3.2</b>	<b>Inter-laboratory Study</b>	<b>19</b>
<b>3.2.1</b>	<i>Study organisation</i>	19
<b>3.2.2</b>	<i>Experimental parameters controls</i>	19
<b>3.2.3</b>	<i>Results analysis</i>	21
<b>3.2.4</b>	<i>Calculation and interpretation</i>	24
<b>3.3</b>	<b>General conclusion</b>	<b>26</b>
>	<i>Appendix 1 – Flow diagram of the alternative method:</i>	27
>	<i>Appendix 2 – Flow diagram of the reference method: ISO 16654 (2001): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Escherichia coli O157 - Amendment 1 (March 2017): annex B: result of inter-laboratory studies</i>	28
>	<i>Appendix 3 – Artificial contamination of samples</i>	29
>	<i>Appendix 4 – Sensitivity study: raw data</i>	39
>	<i>Appendix 5 – Relative level of detection study: raw data</i>	51
>	<i>Appendix 6 – Inclusivity and exclusivity study: raw data</i>	55
>	<i>Appendix 7 – Inter-laboratory study: results obtained by the collaborative laboratories and the expert laboratory</i>	59

Quality Assurance documents related to this study can be consulted upon request from **BIO-RAD**.

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>▪ EN ISO 16140-1 (June 2016): Microbiology of the food chain - Method validation - <i>Part 1: Vocabulary</i></li> <li>▪ EN ISO 16140-2 (June 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*</b>	<ul style="list-style-type: none"> <li>▪ ISO 16654 (May 2001): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of <i>Escherichia coli</i> O157</li> <li>▪ ISO 16654 (May 2001): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of <i>Escherichia coli</i> O157 - Amendment 1 (March 2017): annex B: result of inter-laboratory studies</li> <li>▪ ISO 16654/A2 (February 2023): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of <i>Escherichia coli</i> O157 - Amendment 2: Inclusion of performance testing of all culture media and reagents</li> </ul>
<b>Alternative method</b>	<b>RAPID'E. coli O157 for Escherichia coli O157:H7 detection</b>
<b>Scope</b>	<input checked="" type="checkbox"/> Meat products <input checked="" type="checkbox"/> Dairy products <input checked="" type="checkbox"/> Fruits and vegetables <input checked="" type="checkbox"/> Composite foods
<b>Certification organism</b>	AFNOR Certification ( <a href="http://nf-validation.afnor.org/">http://nf-validation.afnor.org/</a> )

\* Analyses performed according to the COFRAC accreditation

## 1 INTRODUCTION

---

The validation study of the **RAPID' E. coli O157:H7** method for the detection of *E. coli* O157:H7 in selected food categories and production environmental samples was performed in 2007 according to the EN ISO 16140 (2003) (Certificate N° BRD 07/14-09/07). The validation stages are the following:

Date	Validation	Reference method	Validation standard
2007	Initial validation for: <ul style="list-style-type: none"><li>• Selected food categories:<ul style="list-style-type: none"><li>○ Meat products</li><li>○ Dairy products</li><li>○ Fruits and vegetables</li><li>○ Miscellaneous products</li></ul></li><li>• Production environmental samples</li></ul>	ISO 16654 (2001)	ISO 16140 (2003)
2011	Renewal study	ISO 16654 (2001)	ISO 16140 (2003)
2015	Renewal with additional testing to be in agreement with the AFNOR Technical rules	ISO 16654 (2001)	ISO 16140 (2003)
2019	Renewal for selected food categories only: <ul style="list-style-type: none"><li>• Meat products</li><li>• Dairy products</li><li>• Fruits and vegetables</li><li>• Composite foods</li></ul>	ISO 16654 (2001) ISO 16654/A1 (2017)	ISO 16140-2 (2016)
2023	Renewal study	ISO 16654 (2001) ISO 16654/A1 (2017) ISO 16654/A2 (2023)	ISO 16140-2 (2016)

## 2 METHOD PROTOCOLS

---

### 2.1 Alternative method

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

#### 2.1.1 Principle

The RAPID' *E.coli* O157:H7 medium is a selective medium combining chromogenic substrates and biochemical indicators. This combination provides direct presumptive identification of *E. coli* O157:H7, including atypical strains, among the interfering flora on the basis of the specific metabolic and enzymatic profiles observed.

The selectivity of the medium is increased by adding selective agents: novobiocin (10 mg/l) and potassium tellurite (0.8 mg/l).

## 2.1.2 Protocol

The different steps are:

- Enrichment in pre-warmed ( $41,5^{\circ}\text{C} \pm 1^{\circ}\text{C}$ ) mTSB broth supplemented with novobiocin (20 mg/l) for 16 - 24 h at  $41,5^{\circ}\text{C} \pm 1^{\circ}\text{C}$ ,
- Immuno-separation step on 1 mL enriched sample (IMS),
- Streaking 50 µl of immunobeads suspension onto RAPID'E. coli O157:H7,
- Incubation for  $24\text{ h} \pm 2\text{ h}$  at  $37^{\circ}\text{C} \pm 1^{\circ}\text{C}$ ,
- Reading plates: Typical *Escherichia coli* O157:H7 (sorbitol (-) and  $\beta$ -glucuronidase (-)) present characteristic bright, bulging colonies measuring 1 to 2 mm, dark blue to black in colour with a slight black precipitate around the edges of the colony. The typical colonies are confirmed by latex tests (O157 and H7) after purification step on non-selective agar plates for H7 latex test.

## 2.1.3 Restrictions

There is no restriction for use.

## 2.2 Reference method♦

The reference method used was the ISO 16654 method (2011): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of *Escherichia coli* O157 and its amendments (See **Appendix 2**):

- ISO 16654/A1 (March 2017): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of *Escherichia coli* O157 - Amendment 1: annex B: result of inter-laboratory studies (
- ISO 16654/A2 (February 2023): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of *Escherichia coli* O157 - Amendment 2: Inclusion of performance testing of all culture media and reagents.

## 2.3 Study design

The same enrichment broths were used for the reference and alternative methods (pre-warmed BPW + novobiocin 20 mg/l); this was a **paired study**.

### 3 INITIAL VALIDATION, EXTENSION/RENEWAL STUDIES: RESULTS

---

#### 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

239 samples were tested for the initial validation study (2005) and renewal study (2015) providing 85 positive and 154 negative results were kept for this renewal study (2019).

In 2019, 78 additional samples were tested providing 37 positive and 39 negative results.

Taking into account all the studies, 317 samples were tested providing 124 positive and 193 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	Negative	Total
1	Meat products	a	Raw chilled	8	17	25
		b	Raw frozen	12	8	20
		c	Processed	12	8	20
		Total		32	33	65
2	Dairy products	a	Milk	12	17	29
		b	Cheeses	9	19	28
		c	Other fermented products	10	11	21
		Total		31	47	78
3	Fruits and vegetables	a	Raw fruits and vegetables	11	9	20
		b	Processed fruits and vegetables	11	32	43
		c	Fermented products	8	19	27
		Total		30	60	90
4	Composite foods	a	RTE	9	24	33
		b	RTRH	10	18	28
		c	Pastries, egg-based products	12	11	23
		Total		31	53	84
All categories				124	193	317

### 3.1.1.2 Artificial contamination of samples

Artificial contaminations were done by using the spiking and seeding protocols. The artificial contaminations are presented in **Appendix 3**.

215 samples were artificially contaminated, using 46 different strains. 124 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	Spiking protocol			Seeding protocol			Total	
	$\leq 5$ CFU	$5 < \text{CFU} \leq 10$	$10 < \text{CFU} \leq 30$	$\leq 3$ CFU	$3 < \text{CFU} \leq 10$	$10 < \text{CFU} \leq 30$		
Number of samples	0	50	17	10	36	9	2	124
%	0,0%	40,3%	13,7%	8,1%	29,0%	7,3%	1,6%	100,0%

21 % of the samples were contaminated between 3 CFU (seeding) or 5 CFU (spiking) and 10 CFU, while the limit is fixed at 20% according to the AFNOR rules. This was accepted by the AFNOR Technical Committee.

**All the samples were artificially contaminated.**

### 3.1.1.3 Protocols applied during the validation study

> **Incubation time**

The enrichment broths were incubated for:

- 6h and 24h at 41.5°C for the reference method,
- 16 h at 41.5°C for the alternative method.

> **Confirmation protocols**

The typical colonies observed on RAPID' *E. coli* O157:H7 agar plates were confirmed by latex O157 and H7 after purification step onto non-selective agar plates. An indole test was also performed during the validation.

As the reference and the alternative methods have the same enrichment step additional testing was not required for negative samples.

### 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)**

Category		PA	NA*	PD	ND**	PPND	PPNA	Total
1	Meat products	27	31	1	3	1	2	65
2	Dairy products	27	43	2	1	1	4	78
3	Fruits and vegetables	27	60	3	0	0	0	90
4	Composite foods	31	53	0	0	0	0	84
All categories		112	187	6	4	2	6	317

\* 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 chilled	6	17	1	0	1	0	87,5	87,5	92,0	5,9
		b	Raw frozen	10	6	0	2	0	2	83,3	100,0	90,0	25,0
		c	Processed	11	8	0	1	0	0	91,7	100,0	95,0	0,0
		Total		27	31	1	3	1	2	87,5	96,9	92,3	9,1
2	Dairy products	a	Milk	9	14	1	1	1	3	83,3	91,7	89,7	23,5
		b	Cheeses	9	18	0	0	0	1	100,0	100,0	100,0	5,3
		c	Other fermented products	9	11	1	0	0	0	100,0	90,0	95,2	0,0
		Total		27	43	2	1	1	4	93,5	93,5	94,9	10,6
3	Fruits and vegetables	a	Raw fruits and vegetables	9	9	2	0	0	0	100,0	81,8	90,0	0,0
		b	Processed fruits and vegetables	10	32	1	0	0	0	100,0	90,9	97,7	0,0
		c	Fermented products	8	19	0	0	0	0	100,0	100,0	100,0	0,0
		Total		27	60	3	0	0	0	100,0	90,0	96,7	0,0
4	Composite foods	a	RTE	9	24	0	0	0	0	100,0	100,0	100,0	0,0
		b	RTRH, RTC	10	18	0	0	0	0	100,0	100,0	100,0	0,0
		c	Pastries, egg-based products	12	11	0	0	0	0	100,0	100,0	100,0	0,0
		Total		31	53	0	0	0	0	100,0	100,0	100,0	0,0
All categories				112	187	6	4	2	6	95,2	95,2	96,2	4,1

\* PPNA not included

\*\* PPND not included

A summary of the results is given in Table 5.

**Table 5 - Summary of results**

Sensitivity for the alternative method	$SE_{alt} = \frac{(PA + PD)}{(PA + ND + PD)} \times 100\%$	95.2 %
Sensitivity for the reference method	$SE_{ref} = \frac{(PA + ND)}{(PA + ND + PD)} \times 100\%$	95.2 %
Relative trueness	$RT = \frac{(PA + NA)}{N} \times 100\%$	96.2 %
False positive ratio for the alternative method*	$FPR = \frac{(FP)}{NA} \times 100\%$	4.1 %
FP = PPNA + PPND		

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

### 3.1.1.6 Analysis of discordant results

The negative deviations are given in Table 6 and the positive deviations in Table 7.

Six negative deviations were observed: 4 for the meat category and 2 for the dairy category.

For 2 samples, typical colonies were observed on the RAPID'*E. coli* O157:H7 plates but were not confirmed as *E. coli* O157:H7 strains (latex negative). The strains were identified as *Escherichia fergusonii* and *Escherichia coli*.

Six positive deviations were also observed: 1 for meat category, 2 for dairy and 3 for vegetables categories.

All these samples in negative and positive deviations were probably contaminated at a low level which did not allow to recover the strains even after an IMS step on the selective agar plates used for the alternative and ISO 16654 methods (RAPID'*E.coli*, CT-SMAC or CHROMagar O157).

Table 6 - Negative deviations

Year of analysis	Sample N°	Product	Artificial contamination		ISO 16654*	RAPID'E. coli O157:H7 method				Category	Type
			Strain	Inoculation level/sample		RAPID'E. coli O157:H7	Confirmation (Latex O157 and H7)	Final result	Agreement Ref/Alt		
2006	980	Beef trim	<i>E. coli</i> O157:H7 MK412112	11,0	+	+ ( <i>E. fergusonii</i> )	/	-	PPND	1	a
2019	7265	Frozen veal meat	<i>E. coli</i> O157:H7 Ad1501	3,0	+	+md/-	/	-	ND	1	b
2006	988	Frozen poultry meat	<i>E. coli</i> O157:H7 B68	7,0	+	d (blue green)	-	-	ND	1	b
2006	981	Seasoned ground beef	<i>E. coli</i> O157:H7 MK412112	11,0	+	-	/	-	ND	1	c
2006	2371	Raw milk	<i>E. coli</i> O157:H7 AZ15-6	12,0	+	-	/	-	ND	2	a
2019	7774	Raw milk	<i>E. coli</i> O157:H7 Ad2982	1,0	+	+md ( <i>E. coli</i> )	-	-	PPND	2	a

Table 7 - Positive deviations

Year of analysis	Sample N°	Product	Artificial contamination		ISO 16654*	RAPID'E. coli O157:H7 method				Category	Type
			Strain	Inoculation level/sample		RAPID'E. coli O157:H7	Confirmation (Latex O157 and H7)	Final result	Agreement Ref/Alt		
2006	1039	Ground beef	<i>E. coli</i> O157:H7 R33.9	1,0	-	+	+	+	PD	1	a
2015	3275	Raw milk	<i>E. coli</i> O157:H7 Ad685	2,0	-	+m(2)	+	+	PD	2	a
2015	3426	Fermented milk	<i>E. coli</i> O157:H7 Ad578	1,2	-	+p	+	+	PD	2	c
2006	1177	Raw green beans	<i>E. coli</i> O157:H7 37006ID	0,4	-	+	+	+	PD	3	a
2006	1178	Raw green pepper	<i>E. coli</i> O157:H7 37006ID	0,4	-	+	+	+	PD	3	a
2006	1179	Sauce (tomato basilic)	<i>E. coli</i> O157:H7 37006ID	0,4	-	+	+	+	PD	3	b

\* Analyses performed according to the COFRAC accreditation

The analyses of discordant results according to the EN ISO 16140-2:2016 is the following (See Table 8):

**Table 8 - Analyses of discordant results**

Category	Type	N+	ND	PPND	PD	(ND+PPND) -PD	AL	(ND+PPND) +PD	AL
1	Meat products	a Raw chilled	8	0	1	1			
		b Raw frozen	12	2	0	0			
		c Processed	12	1	0	0			
		Total	32	3	1	1	3	3	5
2	Dairy products	a Milk	12	1	1	1			
		b Cheeses	9	0	0	0			
		c Other fermented products	10	0	0	1			
		Total	31	1	1	2	0	3	4
3	Fruits and vegetables	a Raw fruits and vegetables	11	0	0	2			
		b Processed fruits and vegetables	11	0	0	1			
		c Fermented products	8	0	0	0			
		Total	30	0	0	3	-3	3	3
4	Composite foods	a RTE	9	0	0	0			
		b RTRH	10	0	0	0			
		c Pastries, egg-based products	12	0	0	0			
		Total	31	0	0	0	0	3	0
All categories		124	4	2	6	0	5	12	12

**The observed values for ((ND + PPND) - PD) and ((ND + PPND) + PD) meet the acceptability limit for each individual category and for the four combined categories (calculated values  $\leq$  AL).**

### 3.1.1.7 Confirmation

For eight samples (three for meat category and five for dairy category), typical or doubtful colonies were observed on the RAPID'E. coli O157: H7. The latex test (O157) for these strains was negative. The strains were identified as *Escherichia fergusonii* for meat products, as *Escherichia coli* for 2 dairy products and *Pantoea sp* for 3 dairy products.

Note that for four samples (992,1839,2367,3278), latex tests were also applied on the colonies present on the plates while the colonies were not typical (blue green), these samples were not considered as presumptive positive not confirmed samples.

### 3.1.2 *Relative level of detection*

*The relative level of detection is the level of detection at P = 0.50 (LOD<sub>50</sub>) of the alternative (proprietary) method divided by the level of detection at P = 0.50 (LOD<sub>50</sub>) of the reference method.*

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

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

*The relative detection level is the smallest number of culturable micro-organisms that can be detected in the sample in 50% of occasions by the alternative and reference methods.*

#### 3.1.2.1 *Experimental design*

The results from 2 matrix/strain pairs tested for the initial validation study were kept for this renewal study; the protocol applied was:

- 0 CFU/ g or mL,
- level required to get 0 to 50 % positive samples,
- level required to get 50 to 75 % positive samples,
- level required to get 75 to 100 % positive samples.

Two (matrix/strain) pairs were tested for the renewal study in 2019 using the following protocol (See Table 9):

- A negative control: 5 samples,
- A low contamination level providing fractional recovery data, with 20 replicates,
- A high contamination level, with 5 replicates.

A total plate count determination on each matrix was performed to estimate the total microbial load on the day of analysis.

**Table 9 - Defined (matrix/strain) pairs for the RLOD determination**

Year	Category	Matrix	Inoculated strain	Origin	Storage condition after inoculation, before analysis
2019	1 Meat products	Ground beef	<i>E. coli</i> O157:H7 Ad933	Ground beef	Seeding 48h at 3±2°C
2006	2 Dairy products	Raw milk	<i>E. coli</i> O157:H7 R33-98	Dairy product	/
2006	3 Fruits and Vegetables	Cider	<i>E. coli</i> O157:H7 LS56	Faeces	/
2019	4 Composite food	Deli salad	<i>E. coli</i> O157:H7 Ad2986	Sprouts	Seeding 48h at 3±2°C

### 3.1.2.2 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 15.08.2015. The RLOD are given Table 10.

**Table 10 – 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	AL
1	Ground beef/ <i>E. coli</i> O157:H7 Ad933	1,000	0,466	2,145	0,000	0,382	0,000	1,000	1,5
2	Raw milk/ <i>E. coli</i> O157:H7 R33-98	1,194	0,419	3,403	0,177	0,524	0,338	0,736	
3	Cider/ <i>E. coli</i> O157:H7 LS56	0,593	0,278	1,265	-0,523	0,379	1,381	1,833	
4	Deli-salad/ <i>E. coli</i> O157:H7 Ad2986	1,000	0,363	2,751	0,000	0,506	0,000	1,000	
<b>Combined</b>		<b>0,932</b>	<b>0,609</b>	<b>1,425</b>	<b>-0,071</b>	<b>0,212</b>	<b>0,332</b>	<b>1,260</b>	

**The RLOD meet the Acceptability Limit (AL = 1.5) for all the tested matrix/strain pairs.**

The LOD<sub>50%</sub> calculations according to Wilrich & Wilrich POD-LOD calculation program - version 11, 2022-10-12 test are given in Table 11.

**Table 11 - 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 beef/ <i>E. coli</i> O157:H7 Ad933	0.6 [0.4; 1.1]	0.6 [0.4; 1.1]
2	Raw milk/ <i>E. coli</i> O157:H7 R33-98	0.6 [0.3; 1.2]	0.8 [0.4; 1.5]
3	Cider/ <i>E. coli</i> O157:H7 LS56	0.6 [0.3; 1.2]	0.4 [0.2; 0.7]
4	Deli-salad/ <i>E. coli</i> O157:H7 Ad2986	1.2 [0.7; 2.3]	1.2 [0.7; 2.3]
<b>Combined results</b>		<b>0.8 [0.6; 1.0]</b>	<b>0.7 [0.5; 1.0]</b>

### 3.1.3 Conclusion

**The RLOD values (using the confirmed alternative method results) meet the acceptability limit of 1.5 for paired studies, for all matrix/strain pairs tested.**

**The LOD<sub>50</sub> varies from 0.6 to 1.2 CFU/sample size for the reference method and the alternative method.**

### 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.*

#### 3.1.4.1 Test protocols

##### ➤ Inclusivity

50 *E. coli* O157:H7 strains were grown in BHI broth and diluted in order to inoculate between 10 to 100 cells/225 mL pre-warmed mTSB + novobiocin. The broths were incubated for 16 h at 41.5°C prior to streaking onto RAPID' *E. coli* O157:H7 plates. The colonies were confirmed using different latex tests: Oxoid, RIM, Wellcolex and Prolex.

<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.

### > Exclusivity

36 non-target strains were grown in BHI broth, diluted in order to inoculate  $10^5$  CFU/mL mTSB and incubated for 24 h at 41.5°C. The broths were then streaked onto RAPID' *E.coli* O157:H7 plates with or without applying an IMS step.

#### 3.1.4.2 Results

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

### > Inclusivity

All the strains gave characteristic colonies on RAPID' *E. coli* O157:H7 plates and positive latex tests. Some differences were observed between the latex tests used.

### > Exclusivity

Two non-target strains (*E. coli* O92:H33 and *E. coli* O55:H6) gave typical colonies without halos. They both gave negative latex tests. Two *E. coli* O157:H- strains were tested. They show non-typical colonies (grey-green).

One species identified as *Escherichia coli fergusonii* showed characteristic colonies for the sensitivity study, but it gave negative latex tests.

### 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>	Dehydrated powder. The storage temperature is mentioned on the bottle; it is 2-8°C.		
<b>Time to result</b>	<i>Negative samples (no typical colony present on the plates)</i>		
Step	ISO 16654	RAPID' <i>E. coli</i> O157:H7	
Enrichment	Day 0	Day 0	
IMS 6 h	Day 0		
IMS 16 h			Day 1
IMS 24 h	Day 1		
Reading	Day 1 to Day 2		Day 2
<i>Positive samples (presence of typical colony on the plates)</i>			
Step	ISO 16654	RAPID' <i>E. coli</i> O157:H7	
Enrichment	Day 0	Day 0	
IMS 6 h	Day 0		
IMS 16 h			Day 1
IMS 24 h, if necessary	Day 1		
Plates reading	Day 1 to Day 2		Day 2
Indol test	Day 2 to Day 3		
Latex test	Day 3 to Day 4		Day 3
<b>Common step with the reference method</b>	The mTSB + novobiocin enrichment step is common to both methods.		

The negative results are available in two days for both reference and alternative methods if no typical colony is present on the plates. Three days are required for positive or presumptive positive samples using the alternative method and three or four days for the reference method.

## 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.**

### 3.2.1 Study organisation

21 collaborators participated in the study. The matrix used was a pasteurized milk inoculated by a non-pathogenic target strain, *Escherichia coli* O157:H7 ATCC 700728. The milk flasks were individually inoculated. Each laboratory received 24 flasks (8 samples per inoculation level).

### 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 125 CFU/mL and 25 CFU/mL. 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  $3 \pm 2^\circ\text{C}$ . Triplicates were analysed. The results are given in Table 12.

Table 12 - Sample stability

Jour	<i>Escherichia coli</i> O157:H7 enumeration CFU / 25 mL (CT SMAC)			<i>Escherichia coli</i> O157:H7 detection/25mL		
	Flask 1	Flask 2	Flask 3	Flask 1	Flask 2	Flask 3
Day 0	30	40	55	+	+	+
Day 1	30	45	55	+	+	+

No evolution was observed during storage at  $3^\circ\text{C} \pm 2^\circ\text{C}$ .

#### 3.2.2.2 Contamination levels

The contamination levels and the sample codification were the following (see Table 13).

**Table 13 - Contamination levels**

Level	Samples	Theoretical target level (CFU/25 mL)	True level (CFU/25 mL)	Low limit CFU / 25 mL	High limit CFU / 25 mL
0	1 - 5 - 8 - 9 - 13 - 14 - 16	0	/	/	/
1	2 - 6 - 7 - 11 - 15 - 18 - 20 - 22	8	7,0	6,0	8,1
2	3 - 4 - 10 - 12 - 17 - 21 - 23 - 24	40	35	30,4	40,3

### 3.2.2.3 Logistic conditions

Temperature conditions are given in Table 14.

**Table 14 - Sample temperatures at receipt**

Collaborators	Temperature measured by the probe (°C)	Temperature measured at receipt (°C)	Receipt date	Analysis date
A	0,5	5,00	Day 1 (16h30)	Day 2
B	Out of use	0,60	Day 1	Day 1
C	Out of use	4,40	Day 1	Day 1
D	0,50	3,90	Day 1	Day 1
E	0,50	3,30	Day 1	Day 1
F	1,50	5,30	Day 1	Day 1
G	0,50	5,00	Day 1	Day 1
H	1,00	5,90	Day 1	Day 1
I	Out of use	4,30	Day 1	Day 1
J	3,00	5,00	Day 1	Day 1
K	Not received	Not measured	Day 2	Not realised
L	0,50	6,20	Day 1	Day 1
M	2,00	3,00	Day 1	Day 1
N	1,50	4,20	Day 1	Day 1
O	Ambient temperature	Not measured	Day 2	Not realised
P	2,00	3,50	Day 1	Day 1
Q	1,00	2,30	Day 1	Day 1
R	1,00	2,60	Day 1	Day 1
S	Ambient temperature	16,40	Day 2	Not realised
T	1,00	2,60	Day 1	Day 1
U	1,00	2,40	Day 1	Day 1

Lab A received the samples at 4:30 p.m. and therefore did not realize the tests before Day 2.

Collaborators K, O and S received their packages at Day 2 and did not perform the analyses.

Temperatures recorded by the thermo probe for laboratories B, C and I could not be raised, due to a problem connecting with the software. The temperatures measured at receipt were correct.

For Lab I, one flask from an unspiked sample was broken at receipt, this sample could not be tested.

No anomaly was observed during transport; the temperature measured during transport was between 0 and 1°C.

### 3.2.3 Results analysis

Raw data are provided in **Appendix 7**.

#### 3.2.3.1 Expert laboratory results

The results obtained by the expert laboratory are given in Table 15.

**Table 15 – Results obtained by the expert Lab.**

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

All the inoculated samples gave positive results by both the reference and the alternative methods.

#### 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 3,0.10<sup>7</sup> CFU/mL.

##### ➤ ***Escherichia coli* O157:H7 detection**

Samples were sent to 21 collaborators, but 3 labs did not perform the analyses.

18 collaborators participated to the study. The results obtained are provided in Table 16 (reference method) and Table 17 (alternative method).

Due to difficulties encountered by the collaborators for the interpretation of the latex tests, the results were considered positive for the reference and the alternative

method if typical colonies tested from the selective agar plates gave either O157 or O157 and H7 positive latex tests.

**Table 16 - Positive results by the reference method (ALL the collaborators)**

Collaborator	Contamination level		
	L0	L1	L2
A	0	8	8
B	1	8	8
C	5	8	8
D	1	8	8
E	0	8	8
F	0	8	8
G	3	8	8
H	3	8	8
I*	0	8	8
J	0	8	8
L	0	8	8
M	0	8	8
N	0	8	8
P	6	8	8
Q	0	8	8
R	5	8	8
T	0	8	8
U	1	8	8
<b>Total</b>	<b>P<sub>0</sub> = 25</b>	<b>P<sub>1</sub> = 144</b>	<b>P<sub>2</sub> = 144</b>

\*: 1 unspiked sample not tested (flask broken at receipt)

**Table 17 - Positive results (before and after confirmation) by the alternative method (ALL the collaborators)**

Collaborator	Contamination level		
	L0	L1	L2
A	0	8	8
B	1	8	8
C	5	8	8
D	0	8	8
E	0	8	8
F	0	8	8
G	3	8	8
H	1	8	8
I*	0	8	8
J	0	8	8
L	0	8	8
M	0	8	8
N	0	8	8
P	6	8	8
Q	0	8	8
R	3	8	8
T	0	8	8
U	1	8	8
<b>Total</b>	<b>P<sub>0</sub> = 20</b>	<b>P<sub>1</sub> = 144</b>	<b>P<sub>2</sub> = 144</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 data from Labs C, G, H, P and R were not kept for interpretation. Results from Lab A were not kept as the analyses were performed at Day 2.

### 3.2.3.3 Results of the collaborators retained for interpretation

The results obtained with the 12 labs kept for interpretation are presented in Table 18 (reference method) and Table 19 (alternative method).

**Table 18 - Positive results by the reference method  
(Without Labs A, C, G, H, P, R)**

Collaborator	Contamination level		
	L0	L1	L2
B	1	8	8
D	1	8	8
E	0	8	8
F	0	8	8
I*	0	8	8
J	0	8	8
L	0	8	8
M	0	8	8
N	0	8	8
Q	0	8	8
T	0	8	8
U	1	8	8
<b>Total</b>	<b>P<sub>0</sub> = 3</b>	<b>P<sub>1</sub> = 96</b>	<b>P<sub>2</sub> = 96</b>

\*: 1 unspiked sample not tested (flask broken at receipt)

**Table 19 - Positive results (before and after confirmation)  
by the alternative method (Without Labs A, C, G, H, P, R)**

Collaborator	Contamination level		
	L0	L1	L2
B	1	8	8
D	0	8	8
E	0	8	8
F	0	8	8
I*	0	8	8
J	0	8	8
L	0	8	8
M	0	8	8
N	0	8	8
Q	0	8	8
T	0	8	8
U	1	8	8
<b>Total</b>	<b>P<sub>0</sub> = 2</b>	<b>P<sub>1</sub> = 96</b>	<b>P<sub>2</sub> = 96</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 20).

**Table 20 - Percentage specificity**

Specificity for the reference method	$SP_{ref} = \left(1 - \left(\frac{P_0}{N_-}\right)\right) \times 100 \% =$	96.9 %
Specificity for the alternative method	$SP_{alt} = \left(1 - \left(\frac{CP_0}{N_-}\right)\right) \times 100 \% =$	97.9 %

N: number of all L0 tests

$P_0$  = total number of false-positive results obtained with the blank samples before confirmation

$CP_0$  = total number of false-positive results obtained with the blank samples

#### 3.2.4.2 Calculation of the sensitivity ( $SE_{alt}$ ), the sensitivity for the reference method ( $SE_{ref}$ ), the relative trueness (RT) and the false positive ratio for the alternative method (FPR)

No fractional positive results were obtained for this inter-laboratory study; both inoculation levels were retained for calculation (L1 and L2).

A summary of the results of the collaborators retained for interpretation and obtained with the reference and the alternative methods for Level 1 is provided in Table 21.

**Table 21 - 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+) PA = 96	Positive deviation (R-/A+) PD = 0
	Alternative method negative (A-)	Negative deviation (A-/R+) ND = 0 (PPND = 0)	Negative agreement (A-/R-) NA = 0 (PPNA = 0)
2	Alternative method positive (A+)	Positive agreement (A+/R+) PA = 96	Positive deviation (R-/A+) PD = 0
	Alternative method negative (A-)	Negative deviation (A-/R+) ND = 0 (PPND = 0)	Negative agreement (A-/R-) NA = 0 (PPNA = 0)

Based on the data summarized in Table 21, 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 22).

**Table 22 - Sensitivity, relative trueness and false positive ratio percentages**

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

### 3.2.4.3 Interpretation of data

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 12 Labs, the limits are the following for both inoculation levels:

	Calculated values	AL	Conclusion
ND - PD	0	4	ND - PD < AL
ND + PD	0	5	ND + PD < AL

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

### 3.2.4.4 Evaluation of the LOD<sub>50%</sub>, LOD<sub>95%</sub> and RLOD between laboratories

The calculation is not possible as there are positive results for the unspiked level (L0).

### 3.3 General conclusion

The **method comparison study conclusions** are:

- ☒ The method comparison study scheme corresponds to a PAIRED STUDY design as the alternative and reference methods have a common enrichment procedure.
- ☒ In the sensitivity study, 4 food categories were tested. The protocol of the alternative method shows 6 positive deviations (PD) and 6 negative deviations (ND) for all categories. The  $((ND + PPND) - PD)$  and  $(ND + PPND + PD)$  meet the acceptability limits (AL) whatever the categories, and as well for the 4 tested categories.
- ☒ The Relative Levels of Detection (RLOD) are all below the AL fixed at 1.5 for the paired data study whatever the matrix/strain pairs.
- ☒ The inclusivity and exclusivity testing gave the expected results for the 50 target strains and the 36 non-target strains.
- ☒ The negative results are available in two days for both reference and alternative methods if no typical colony is present on the plates. Three days are required for positive or presumptive positive samples using the alternative method and three or four days for the reference method.
- ☒ The alternative method fulfils all the EN ISO 16140-2:2016 and AFNOR technical rules (PR revision 7).

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

- ☒ The data and interpretations comply with the EN ISO 16140-2:2016 requirements. **The RAPID'E. coli O157:H7 method is considered equivalent to the ISO standard.**

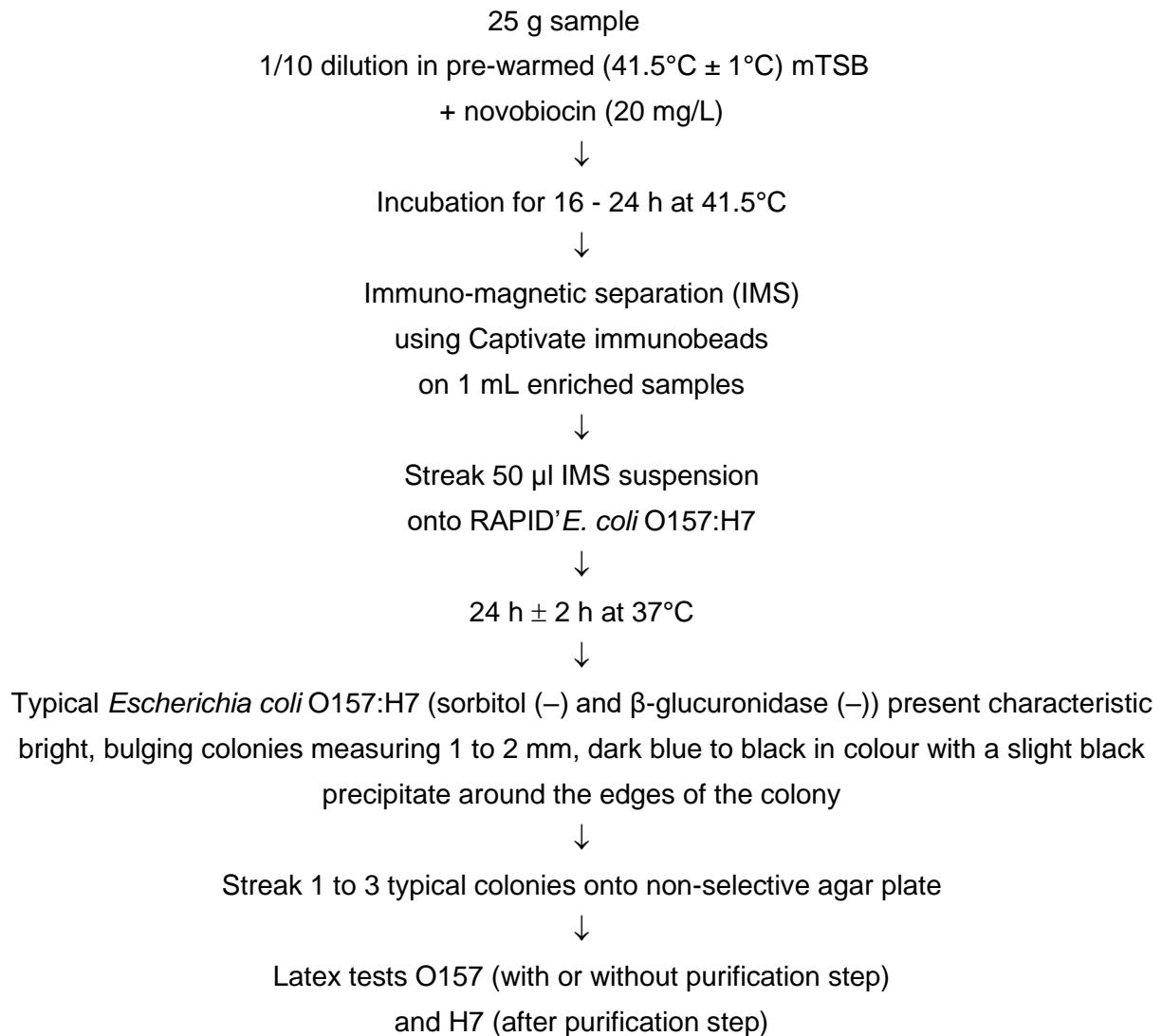
Quimper, 23 October 2023

Maryse RANNOU  
Project Manager

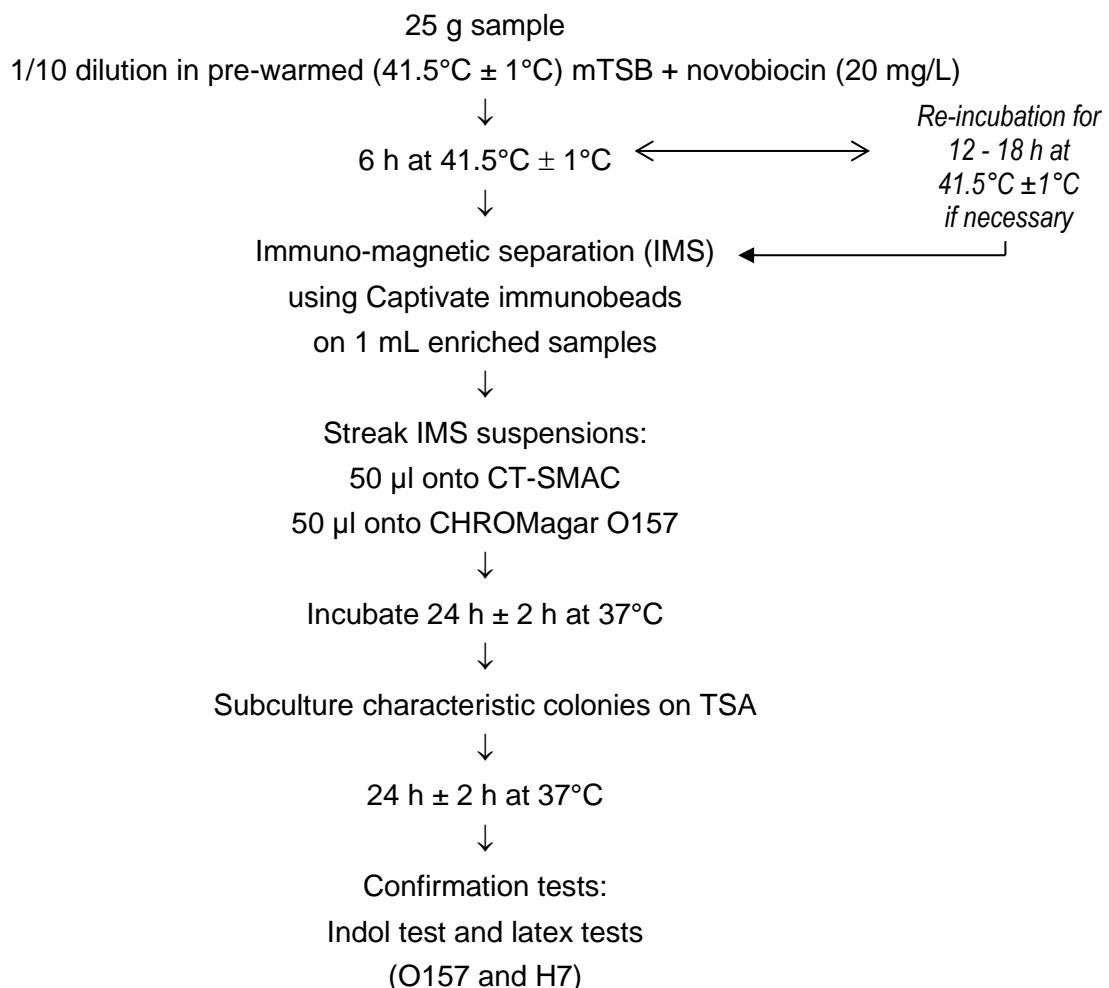
Validation of Alternative methods

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:**  
**RAPID'*E. coli* O157:H7**



**Appendix 2 – Flow diagram of the reference method: ISO 16654 (2001): Microbiology of food and animal feeding stuffs - Horizontal method for the detection of *Escherichia coli* O157 - Amendment 1 (March 2017): annex B: result of inter-laboratory studies Amendment 2 (March 2023): Inclusion of performance testing of all culture media and reagents.**



## Appendix 3 – Artificial contamination of samples

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2006	980	Collier de bœuf	Beef trim	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking-pH10-4°C	0,6	11,0	+	1	a
2006	983	Surface de carcasse de veau	Veal carcass	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking-pH10-4°C	0,6	11,0	-	1	a
2006	984	Surface de carcasse de bœuf	Beef carcass	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-NaCl 8%-4°C	0,48	8,0	-	1	a
2006	985	Epaule de bœuf	Beef trim	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-NaCl 8%-4°C	0,48	8,0	-	1	a
2006	986	Epaule de porc	Pork trim	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-NaCl 8%-4°C	0,48	8,0	-	1	a
2006	1039	Viande hachée de bœuf	Ground beef	<i>E. coli</i> O157:H7 R33.9	Faeces	Spiking- (-20°C)	>0,85	1,0	+	1	a
2006	1055	Filet de poulet	Poultry meat	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking- (-20°C)	1,29	1,0	+	1	a
2006	1675	Mignon de veau	Raw veal meat	<i>E. coli</i> O157:H7BV2	Slaughterhouse environment	Spiking-NaCl 10%-50°C	2,44	6,0	+	1	a
2006	1677	Blanquette de veau	Raw veal meat	<i>E. coli</i> O157:H7 Ad486	Ground beef	Spiking-55°C	3,17	0,4	+	1	a
2006	1678	Blanquette de veau	Raw veal meat	<i>E. coli</i> O157:H7 Ad486	Ground beef	Spiking-55°C	3,17	0,4	+	1	a
2006	1680	Boulette au bœuf	Seasoned beef meat	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-55°C	1,26	0,4	+	1	a
2006	2262	Viande de dinde crue	Raw turkey meat	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	1	a
2006	2263	Viande blanche	Raw poultry meat	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	1	a
2006	2264	Steak haché	Raw ground beef	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	1	a
2006	2381	Steak haché de bœuf	Ground beef	<i>E. coli</i> O157:H7 Ad487	Ground beef	Spiking- (-20°C)	>0,30	<1	-	1	a
2006	2382	Haché de veau	Ground veal meat	<i>E. coli</i> O157:H7 Ad487	Ground beef	Spiking- (-20°C)	>0,30	<1	+	1	a
2006	987	Blanc de poulet sans peau surgelé	Frozen poultry meat	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-NaCl 8%-4°C	0,48	8,0	+	1	b
2006	988	Morceaux de poulet avec peau surgelés	Frozen poultry meat	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-pH10-4°C	0,53	7,0	+	1	b
2006	989	Viande blanche surgelée	Frozen poultry meat	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-pH10-4°C	0,53	7,0	-	1	b
2006	990	Viande blanche surgelée	Frozen poultry meat	<i>E. coli</i> O157:H7 B68	Slaughterhouse	Spiking-pH10-4°C	0,53	7,0	-	1	b

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2006	991	Blanc de poulet sans peau surgelé	Frozen poultry meat	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-NaCl 10%-4°C	0,75	5,0	+	1	b
2006	992	Blanc de poulet sans peau surgelé	Frozen poultry meat	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-NaCl 10%-4°C	0,75	5,0	-	1	b
2006	993	Morceaux de poulet avec peau surgelés	Frozen poultry meat	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-NaCl 10%-4°C	0,75	5,0	+	1	b
2006	994	Morceaux de poulet avec peau surgelés	Frozen poultry meat	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-NaCl 10%-4°C	0,75	5,0	+	1	b
2006	1679	Boulette de viande surgelé	Frozen seasoned beef meat	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-55°C	1,26	0,4	+	1	b
2019	7264	Veau sauté surgelé	Frozen veal meat	<i>E. coli</i> O157:H7 Ad1248	Ground beef	Seeding- -20°C 15 days	/	6-3-2-4-3(3,6)	+	1	b
2019	7265	Veau sauté surgelé	Frozen veal meat	<i>E. coli</i> O157:H7 Ad1501	Ground beef	Seeding- -20°C 15 days	/	1-2-5-6-1 (3,0)	+	1	b
2019	7266	Escalope hachée de veau	Ground veal meat	<i>E. coli</i> O157:H7 Ad2222	Ground beef	Seeding- -20°C 15 days	/	4-3-1-2-2 (2,4)	+	1	b
2019	7267	Steaks hachés surgelés	Frozen ground beef	<i>E. coli</i> O157:H7 Ad1248	Ground beef	Seeding- -20°C 15 days	/	6-3-2-4-3 (3,6)	+	1	b
2019	7268	Pur bœuf surgelé	Frozen beef meat	<i>E. coli</i> O157:H7 Ad1501	Ground beef	Seeding- -20°C 15 days	/	1-2-5-6-1 (3,0)	+	1	b
2019	7269	Biftecks hachés surgelés	Frozen ground beef	<i>E. coli</i> O157:H7 Ad2222	Ground beef	Seeding- -20°C 15 days	/	4-3-1-2-2 (2,4)	+	1	b
2006	981	Haché de veau à la tomate	Seasoned ground beef	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking-pH10-4°C	0,6	11,0	+	1	c
2006	982	Haché de veau à la tomate	Seasoned ground beef	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking-pH10-4°C	0,6	11,0	+	1	c
2006	1040	Pâté de campagne	Pâté	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking-NaCl 8%-4°C	0,72	4,0	+	1	c
2006	1048	Mousse de canard	Delicatessen (duck)	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking-NaCl 8%-4°C	0,72	4,0	+	1	c
2006	1049	Merguez	Merguez	<i>E. coli</i> O157:H7 R33.9	Faeces	Spiking- (-20°C)	>0,85	1,0	+	1	c
2006	1050	Farce à légumes	Seasoned pork meat	<i>E. coli</i> O157:H7 R33.9	Faeces	Spiking- (-20°C)	>0,85	1,0	+	1	c
2006	1053	Lardons nature	Bacon	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking- (-20°C)	1,29	1,0	+	1	c
2006	1054	Lardons fumés	Smoked bacon	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking- (-20°C)	1,29	1,0	+	1	c
2006	2265	Chair à saucisse	Seasoned ground pork meat	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	1	c
2015	3271	Couscous	RTRH (Couscous)	<i>E. coli</i> O157:H7 Ad1071	Ground beef	Seeding-48h 4°C	/	0-5-4-1-2 (2,4)	-	1	c

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2015	3272	Chair à saucisse	Seasoned ground pork meat	<i>E. coli</i> O157:H7 Ad924	Ground beef	Seeding-48h 4°C	/	4-2-3-1-5 (3,0)	+	1	c
2015	3431	Boulettes au boeuf à la napolitaine	Cooked seasoned beef balls	<i>E. coli</i> O157:H7 Ad687	Beef	Seeding-48h 4°C	/	1-4-1-4-47 (2,8)	+	1	c
2015	3270	Dés de jambon	Ham	<i>E. coli</i> O157:H7 Ad685	Environment	Seeding-48h 4°C	/	3-6-0-4-2 (3,0)	-	1	c
2019	7397	Bœuf bourguignon	Cooked beef meat	<i>E. coli</i> O157:H7 Ad1071	Ground beef	Seeding-48h 3± 2°C	/	9-2-3-5-6 (5,0)	+	1	c
2019	7398	Bœuf bourguignon	Cooked beef meat	<i>E. coli</i> O157:H7 Ad1071	Ground beef	Seeding-48h 3± 2°C	/	9-2-3-5-6 (5,0)	+	1	c
2006	1150	Lait cru	Raw milk	<i>E. coli</i> O157:H7B177	Slaughterhouse	Spiking-NaCl 8%-4°C	0,63	9,0	+	2	a
2006	1839	Lait cru	Raw milk	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%+TT50°C 10min	4,75	14,0	-	2	a
2006	2245	Lait cru	Raw milk	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	-	2	a
2006	2246	Lait cru	Raw milk	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	-	2	a
2006	2370	Lait cru	Raw milk	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%	>1,08	12,0	+	2	a
2006	2371	Lait cru	Raw milk	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%	>1,08	12,0	+	2	a
2015	3275	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad685	Environment	Seeding-48h 4°C	/	2-0-1-2-5 (2,0)	+	2	a
2015	3423	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad976	Beef	Seeding-48h 4°C	/	4-5-7-3-4 (4,6)	+	2	a
2015	3425	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad578	Faeces	Seeding-48h 4°C	/	0-3-1-0-2 (1,2)	+	2	a
2015	3277	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad685	Environment	Seeding-48h 4°C	/	2-0-1-2-5 (2,0)	-	2	a
2015	3278	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad688	Environment	Seeding-48h 4°C	/	4-1-4-2-0 (2,2)	-	2	a
2015	3424	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad687	Beef	Seeding-48h 4°C	/	1-4-1-4-47 (2,8)	-	2	a
2019	7377	Lait cru de vache	Raw milk	<i>E. coli</i> O157:H7 Ad1745	Cheese	Seeding-48h 3± 2°C	/	2-1-3-1-0 (1,4)	-	2	a
2019	7378	Lait cru de vache	Raw milk	<i>E. coli</i> O157:H7 Ad3101	Cheese	Seeding-48h 3± 2°C	/	1-1-3-3-2 (2,0)	-	2	a
2019	7379	Lait cru de vache	Raw milk	<i>E. coli</i> O157:H7 Ad3038	Fermented milk	Seeding-48h 3± 2°C	/	1-1-3-0-0 (1,0)	+	2	a
2019	7380	Lait cru de vache	Raw milk	<i>E. coli</i> O157:H7 Ad1745	Cheese	Seeding-48h 3± 2°C	/	2-1-3-1-0 (1,4)	+	2	a
2019	7381	Lait cru de vache	Raw milk	<i>E. coli</i> O157:H7 Ad3101	Cheese	Seeding-48h 3± 2°C	/	1-1-3-3-2 (2,0)	+	2	a
2019	7773	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad2843	Raw milk	Seeding-48h 3± 2°C	/	2-0-2-3-2 (1,8)	-	2	a
2019	7774	Lait cru	Raw milk	<i>E. coli</i> O157:H7 Ad2982	Raw milk	Seeding-48h 3± 2°C	/	1-1-1-0-2 (1,0)	+	2	a
2019	8049	Lait cru de vache	Raw cow milk	<i>E. coli</i> O157:H7 Ad338	Fermented milk	Seeding-48h 3± 2°C	/	0-6-2-1-2 (2,2)	+	2	a
2019	8050	Lait cru de vache	Raw cow milk	<i>E. coli</i> O157:H7 Ad338	Fermented milk	Seeding-48h 3± 2°C	/	0-6-2-1-2 (2,2)	+	2	a
2006	1046	Fromage	Cheese	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking-NaCl 8%-4°C	0,72	4,0	+	2	b
2006	1047	Crottin de chavignol	Cheese	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking-NaCl 8%-4°C	0,72	4,0	+	2	b
2006	1052	Reblochon	Cheese	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking- (-20°C)	1,29	1,0	+	2	b
2006	1058	Fromage	Cheese	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking-NaCl 8%-4°C	0,72	4,0	+	2	b

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2006	1148	Livarot	Cheese	<i>E. coli</i> O157:H7B177	Slaughterhouse	Spiking-NaCl 8%-4°C	0,63	9,0	+	2	b
2006	1151	Raclette	Cheese	<i>E. coli</i> O157:H7435	Ground beef	Spiking-pH3-4°C	0,43	12,0	+	2	b
2006	1667	Camembert	Cheese	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%-50°C	3,43	17,0	-	2	b
2006	1670	Fromage au lait cru	Raw milk cheese	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%-50°C	3,43	17,0	-	2	b
2019	7382	Emmental au lait cru	Raw milk cheese	<i>E. coli</i> O157:H7 Ad3038	Fermented milk	Seeding-48h 3± 2°C	/	1-1-3-0-0 (1,0)	+	2	b
2019	7383	Emmental au lait cru	Raw milk cheese	<i>E. coli</i> O157:H7 Ad1745	Cheese	Seeding-48h 3± 2°C	/	2-1-3-1-0 (1,4)	-	2	b
2019	7384	Morbier au lait cru	Raw milk cheese	<i>E. coli</i> O157:H7 Ad3101	Cheese	Seeding-48h 3± 2°C	/	1-1-3-3-2 (2,0)	+	2	b
2019	7385	Morbier au lait cru	Raw milk cheese	<i>E. coli</i> O157:H7 Ad3038	Fermented milk	Seeding-48h 3± 2°C	/	1-1-3-0-0 (1,0)	-	2	b
2019	7386	Petit camembert au lait cru	Raw milk cheese	<i>E. coli</i> O157:H7 Ad1745	Cheese	Seeding-48h 3± 2°C	/	2-1-3-1-0 (1,4)	-	2	b
2019	7775	Reblochon au lait cru de vache	Raw milk cheese	<i>E. coli</i> O157:H7 Ad2843	Raw milk	Seeding-48h 3± 2°C	/	2-0-2-3-2 (1,8)	-	2	b
2019	7776	Reblochon au lait cru de vache	Raw milk cheese	<i>E. coli</i> O157:H7 Ad2843	Raw milk	Seeding-48h 3± 2°C	/	2-0-2-3-2 (1,8)	-	2	b
2019	8051	Fromage de chèvre au lait cru	Raw goat milk cheese	<i>E. coli</i> O157:H7 Ad3014	Goat milk	Seeding-48h 3± 2°C	/	2-1-4-0-2 (1,8)	+	2	b
2019	8052	Fromage de chèvre au lait cru	Raw goat milk cheese	<i>E. coli</i> O157:H7 Ad3014	Goat milk	Seeding-48h 3± 2°C	/	2-1-4-0-2 (1,8)	-	2	b
2019	8053	Fromage de chèvre au lait cru	Raw goat milk cheese	<i>E. coli</i> O157:H7 Ad3014	Goat milk	Seeding-48h 3± 2°C	/	2-1-4-0-2 (1,8)	-	2	b
2006	1147	Lait ribot	Fermented milk	<i>E. coli</i> O157:H7B177	Slaughterhouse	Spiking-NaCl 8%-4°C	0,63	9,0	+	2	c
2006	1149	Lait fermenté	Fermented milk	<i>E. coli</i> O157:H7B177	Slaughterhouse	Spiking-NaCl 8%-4°C	0,63	9,0	+	2	c
2006	1664	Fromage frais	Cheese	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-55°C	1,26	0,4	-	2	c
2006	1682	Crème fraîche	Fresh cream	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-55°C	1,26	0,4	+	2	c
2006	1683	Yaourt fermier	Yogurt	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-55°C	1,26	0,4	+	2	c
2006	2247	Yaourt brassé myrtille	Yogurt with fruit	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	-	2	c
2006	2248	Yaourt sucré myrtille	Yogurt with fruit	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	-	2	c
2006	2249	Yaourt brassé nature	Yogurt	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	-	2	c
2006	2250	Yahourt sucré fraise	Yogurt with fruit	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	-	2	c
2015	3279	Gros lait	Fermented milk	<i>E. coli</i> O157:H7 Ad1745	Raw milk cheese	Seeding-48h 4°C	/	0-0-1-1-1 (0,6)	-	2	c
2015	3426	Lait ribot	Fermented milk	<i>E. coli</i> O157:H7 Ad578	Faeces	Seeding-48h 4°C	/	0-3-1-0-2 (1,2)	+	2	c

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2015	3427	Lait ribot	Fermented milk	<i>E. coli</i> O157:H7 Ad578	Faeces	Seeding-48h 4°C	/	0-3-1-0-2 (1,2)	+	2	c
2015	3428	Gros lait	Fermented milk	<i>E. coli</i> O157:H7 Ad578	Faeces	Seeding-48h 4°C	/	0-3-1-0-2 (1,2)	+	2	c
2015	3276	Lait ribot	Fermented milk	<i>E. coli</i> O157:H7 Ad688	Environment	Seeding-48h 4°C	/	4-1-4-2-0 (2,2)	-	2	c
2019	7387	Yahourt nature	Yogurt	<i>E. coli</i> O157:H7 Ad3101	Cheese	Seeding-48h 3± 2°C	/	1-1-3-3-2 (2,0)	+	2	c
2019	7388	Yahourt nature	Yogurt	<i>E. coli</i> O157:H7 Ad3038	Fermented milk	Seeding-48h 3± 2°C	/	1-1-3-0-0 (1,0)	+	2	c
2019	7389	Faisselle de fromage blanc	Yogurt	<i>E. coli</i> O157:H7 Ad1745	Cheese	Seeding-48h 3± 2°C	/	2-1-3-1-0 (1,4)	+	2	c
2006	975	Haricots beurre	Beans	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-pH3-4°C	0,81	9,0	+	3	a
2006	976	Carottes râpées	Grated carrots	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-pH3-4°C	0,81	9,0	+	3	a
2006	1155	Trio de choux	RTE (cabbage)	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking- (-20°C)	>2,11	2,0	+	3	a
2006	1173	Choux de Bruxelles	Raw chou Brussels	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2006	1174	Courgettes rondelles	Raw zucchini	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2006	1175	Choux blanc	Raw cabbage	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2006	1176	Julienne de légumes	Raw vegetables mix	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2006	1177	Haricots verts	Raw green beans	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2006	1178	Poivrons verts	Raw green pepper	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2006	1180	Brocolis	Raw broccoli	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	a
2019	7390	Ananas coupé	Cut pineapple	<i>E. coli</i> O157:H7 Ad571	Faeces	Seeding-48h 3± 2°C	/	1-1-1-1-1 (1,0)	-	3	a
2019	7391	Ananas coupé	Cut pineapple	<i>E. coli</i> O157:H7 Ad579	Faeces	Seeding-48h 3± 2°C	/	3-5-5-6-1 (4,0)	+	3	a
2006	1179	Sauce tomate/basilic	Sauce (tomato basilic)	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking- (-20°C)	2,52	0,4	+	3	b
2006	2251	Velouté cresson	Cream of watercress	<i>E. coli</i> O157:H7 A215-6	Faeces	Spiking-NaCl 10%	2,11	0,4	+	3	b
2006	2252	Soupe carottes melon	Carrots melon soup	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	3	b
2006	2253	Jus banane potiron kiwi	Fruit juice	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	3	b
2006	2254	Jus orange banane carotte	Fruit juice	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	3	b
2006	2312	Soupe carotte melon	Carrots melon soup	<i>E. coli</i> O157:H7 ET8	Slaughterhouse	Spiking-50°C-15min	0,7	4,0	+	3	b

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2006	2313	Velouté de cresson frais	Cream of watercress	<i>E. coli</i> O157:H7 ET8	Slaughterhouse	Spiking-50°C-15min	0,7	4,0	+	3	b
2006	2314	Velouté d'aubergines	Eggplant soup	<i>E. coli</i> O157:H7 ET8	Slaughterhouse	Spiking-50°C-15min	0,7	4,0	+	3	b
2006	2356	Purée de fruits des bois	Fruit puree	<i>E. coli</i> O157:H7 Ad487	Ground beef	Spiking- (-20°C)	>0,30	<1	+	3	b
2006	2357	Purée de fraise	Strawberry puree	<i>E. coli</i> O157:H7 Ad487	Ground beef	Spiking- (-20°C)	>0,30	<1	-	3	b
2006	2358	Purée de fruits des bois	Fruit puree	<i>E. coli</i> O157:H7 Ad487	Ground beef	Spiking- (-20°C)	>0,30	<1	-	3	b
2006	2359	Velouté de courgettes	Zucchini soup	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%	>1,7	8,0	+	3	b
2006	2360	Soupe aux légumes du potager	Soup vegetables	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%	>1,7	8,0	+	3	b
2019	8138	Soupe courgettes, petits pois, brocolis	Vegetables soup	<i>E. coli</i> O157:H7 Ad581	Faeces	Seeding-48h 3± 2°C	/	14-6-16-21-12 (13,8)	+	3	b
2019	8139	Soupe carottes, citron, cumin	Vegetables soup	<i>E. coli</i> O157:H7 Ad582	Faeces	Seeding-48h 3± 2°C	/	4-8-8-2-7 (5,8)	+	3	b
2019	8140	Soupe 6 légumes variés	Vegetables soup	<i>E. coli</i> O157:H7 Ad581	Faeces	Seeding-48h 3± 2°C	/	14-6-16-21-12 (13,8)	+	3	b
2019	8141	Jus de pomme frais	Fresh apple juice	<i>E. coli</i> O157:H7 Ad581	Faeces	Seeding-48h 3± 2°C	/	14-6-16-21-12 (13,8)	-	3	b
2019	8142	Jus mangue passion frais	Fresh mango juice	<i>E. coli</i> O157:H7 Ad573	Faeces	Seeding-48h 3± 2°C	/	10-13-13-4-13 (10,6)	-	3	b
2006	1152	Cidre Dan Armor	Cider	<i>E. coli</i> O157:H7435	Ground beef	Spiking-pH3-4°C	0,43	12,0	+	3	c
2006	1153	Cidre traditionnel	Cider	<i>E. coli</i> O157:H7435	Ground beef	Spiking-pH3-4°C	0,43	12,0	+	3	c
2006	1160	Choucroute	RTRH (Choucroute)	<i>E. coli</i> O157:H7LS56	Faeces	Spiking- (-20°C)	2,49	3,0	+	3	c
2006	1161	Olives vertes	Fermented olives	<i>E. coli</i> O157:H7LS56	Faeces	Spiking- (-20°C)	2,49	3,0	+	3	c
2006	1162	Olives noires	Fermented olives	<i>E. coli</i> O157:H7LS56	Faeces	Spiking- (-20°C)	2,49	3,0	+	3	c
2019	8135	Radis noir lactofermenté	Fermented black radish	<i>E. coli</i> O157:H7 Ad581	Faeces	Seeding-48h 3± 2°C	/	5-1-4-2-3 (3,0)	+	3	c
2019	7392	Cornichons	Pickles	<i>E. coli</i> O157:H7 Ad582	Faeces	Seeding-48h 3± 2°C	/	7-4-2-4-7 (4,8)	-	3	c
2019	7393	Cornichons	Pickles	<i>E. coli</i> O157:H7 Ad571	Faeces	Seeding-48h 3± 2°C	/	1-1-1-1-1 (1,0)	-	3	c
2019	7394	Piments rouges fermentés	Fermented red pepper	<i>E. coli</i> O157:H7 Ad579	Faeces	Seeding-48h 3± 2°C	/	3-5-5-6-1 (4,0)	-	3	c

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2019	7395	Piments rouges fermentés	Fermented red pepper	<i>E. coli</i> O157:H7 Ad582	Faeces	Seeding-48h 3± 2°C	/	7-4-2-4-7 (4,8)	-	3	c
2019	7396	Choucroute crue	Sauerkraut	<i>E. coli</i> O157:H7 Ad571	Faeces	Seeding-48h 3± 2°C	/	1-1-1-1-1 (1,0)	-	3	c
2019	7777	Cocktail de légumes lactofermentés	Fermented vegetables	<i>E. coli</i> O157:H7 Ad3118	Sprouts	Seeding-48h 3± 2°C	/	2-1-4-3-2 (2,4)	-	3	c
2019	7778	Cocktail de légumes lactofermentés	Fermented vegetables	<i>E. coli</i> O157:H7 Ad571	Faeces	Seeding-48h 3± 2°C	/	3-4-3-4-2 (3,2)	-	3	c
2019	7779	Radis noirs lactofermentés	Fermented black radish	<i>E. coli</i> O157:H7 Ad574	Faeces	Seeding-48h 3± 2°C	/	4-6-8-2-5 (5,0)	+	3	c
2019	7780	Radis noirs lactofermentés	Fermented black radish	<i>E. coli</i> O157:H7 Ad3118	Sprouts	Seeding-48h 3± 2°C	/	2-1-4-3-2 (2,4)	-	3	c
2019	7781	Carottes lactofermentées	Fermented carrots	<i>E. coli</i> O157:H7 Ad571	Faeces	Seeding-48h 3± 2°C	/	3-4-3-4-2 (3,2)	-	3	c
2019	8054	Chou rouge lactofermenté	Fermented red cabbage	<i>E. coli</i> O157:H7 Ad338	Fermented milk	Seeding-48h 3± 2°C	/	3-2-3-0-2 (2,0)	-	3	c
2019	8055	Chou rouge lactofermenté	Fermented red cabbage	<i>E. coli</i> O157:H7 Ad558	Wastewater treatment plant	Seeding-48h 3± 2°C	/	1-2-0-2-1 (1,2)	-	3	c
2019	8056	Carotte lactofermentée	Fermented carrots	<i>E. coli</i> O157:H7 Ad338	Fermented milk	Seeding-48h 3± 2°C	/	3-2-3-0-2 (2,0)	-	3	c
2019	8057	Carotte lactofermentée	Fermented carrots	<i>E. coli</i> O157:H7 Ad558	Wastewater treatment plant	Seeding-48h 3± 2°C	/	1-2-0-2-1 (1,2)	-	3	c
2019	8058	Chou blanc lactofermenté	Fermented white cabbage	<i>E. coli</i> O157:H7 Ad338	Fermented milk	Seeding-48h 3± 2°C	/	3-2-3-0-2 (2,0)	-	3	c
2019	8059	Chou blanc lactofermenté	Fermented white cabbage	<i>E. coli</i> O157:H7 Ad558	Wastewater treatment plant	Seeding-48h 3± 2°C	/	1-2-0-2-1 (1,2)	-	3	c
2019	8060	Radis noir lactofermenté	Fermented black radish	<i>E. coli</i> O157:H7 Ad338	Fermented milk	Seeding-48h 3± 2°C	/	3-2-3-0-2 (2,0)	+	3	c
2019	8136	Cocktail de légumes lactofermentés	Fermented vegetables	<i>E. coli</i> O157:H7 Ad582	Faeces	Seeding-48h 3± 2°C	/	2-2-2-2-2 (2,0)	-	3	c
2019	8137	Carottes lactofermentées	Fermented carrots	<i>E. coli</i> O157:H7 Ad573	Faeces	Seeding-48h 3± 2°C	/	1-4-2-2-3 (2,4)	-	3	c
2006	977	Macédoine	RTE (vegetables)	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-pH3-4°C	0,81	9,0	+	4	a
2006	978	Salade de tomate à la Grecque	RTE (mushrooms)	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-pH3-4°C	0,81	9,0	-	4	a

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2006	1056	Salade Comtoise	RTE (salad with cheese)	<i>E. coli</i> O157:H7 R33.9	Faeces	Spiking- (-20°C)	>0,85	1,0	+	4	a
2006	1057	Salade Strasbourgeoise	RTE (salad)	<i>E. coli</i> O157:H7 MK412112	Ground beef	Spiking- (-20°C)	1,29	1,0	+	4	a
2006	1156	Salade de cervelas	RTE (salad pork)	<i>E. coli</i> O157:H7 LS3	Faeces	Spiking- (-20°C)	>2,11	2,0	-	4	a
2006	1159	Salade piémontaise	RTE (Piémontaise)	<i>E. coli</i> O157:H7LS56	Faeces	Spiking- (-20°C)	2,49	3,0	+	4	a
2006	1171	Salade de cervelas	RTE (salad pork)	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-NaCl 10%-4°C	0,89	7,0	+	4	a
2006	1672	Terrine	RTE (terrine)	<i>E. coli</i> O157:H7 Ad486	Ground beef	Spiking-55°C	3,17	0,4	+	4	a
2006	1832	Pâtes fraîches au saumon	RTE (salad pasta salmon)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%+TT50°C 10min	4,11	10,0	-	4	a
2006	1833	Cyclade(salade)	RTE (salad)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%+TT50°C 10min	4,11	10,0	-	4	a
2006	1834	Tartinade de poulet	RTE (terrine)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%+TT50°C 10min	4,11	10,0	-	4	a
2006	1835	Tartinade de thon	RTE (tuna terrine)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%+TT50°C 10min	4,11	10,0	-	4	a
2006	1836	Chou à l'indienne	RTE (cabbage salad)	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%+TT50°C 10min	4,75	14,0	-	4	a
2006	1837	Taboulé vert	RTE (salad tabbouleh)	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%+TT50°C 10min	4,75	14,0	-	4	a
2006	1838	Taboulé vert	RTE (salad tabbouleh)	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%+TT50°C 10min	4,75	14,0	-	4	a
2006	1840	Carottes râpées	Grated carrots	<i>E. coli</i> O157:H7 AMK1311	Ground beef	Spiking-NaCl 8%+TT50°C 10min	4,75	14,0	-	4	a
2006	2255	Salade crudités	Vegetables salad	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	4	a
2006	2256	Piémontaise	RTE (Piémontaise)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	4	a
2006	2257	Salade thon tomate	RTE (tuna tomatoes)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	4	a
2019	7782	Salade coleslaw chou blanc, carotte	RTE (coleslaw)	<i>E. coli</i> O157:H7 Ad574	Faeces	Seeding-48h 3± 2°C	/	2-5-1-1-2 (2,2)	-	4	a
2019	7783	Salade veggie, boulgour, légumes, lentilles	RTE (vegetables)	<i>E. coli</i> O157:H7 Ad572	Faeces	Seeding-48h 3± 2°C	/	4-2-2-1-2 (2,2)	+	4	a

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2019	8064	Taboulé de poulet rôti	RTE (Tabbouleh)	<i>E. coli</i> O157:H7 Ad572	Faeces	Seeding-48h 3± 2°C	/	1-2-2-1-2 (1,6)	-	4	a
2019	8065	Taboulé de poulet rôti	RTE (Tabbouleh)	<i>E. coli</i> O157:H7 Ad573	Faeces	Seeding-48h 3± 2°C	/	4-1-1-1-1 (1,6)	+	4	a
2019	8066	Riz à la provençale, thon, basilic	RTE (deli salad)	<i>E. coli</i> O157:H7 Ad574	Faeces	Seeding-48h 3± 2°C	/	1-2-0-1-4 (1,6)	+	4	a
2006	1044	Lasagnes	RTRH (Lasagnes)	<i>E. coli</i> O157:H7 R33.9	Faeces	Spiking- (-20°C)	>0,85	1,0	+	4	b
2006	1186	Epinards béchamel	RTC spinach	<i>E. coli</i> O157:H7 37006ID	Ground beef	Spiking-NaCl 10%-4°C	0,89	7,0	+	4	b
2006	1671	Plat cuisiné bolivien	RTRH	<i>E. coli</i> O157:H7BV2	Slaughterhouse environment	Spiking-NaCl 10%-50°C	2,44	6,0	+	4	b
2006	1673	Mignon de veau sauce écrevisse	RTRH (veal)	<i>E. coli</i> O157:H7 Ad486	Ground beef	Spiking-55°C	3,17	0,4	+	4	b
2006	2258	Merguez ratatouille	RTRH (vegetables merguez)	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	4	b
2006	2259	Hachis parmentier	RTRH (potatoes)	<i>E. coli</i> O157:H7 EF190	Faeces	Spiking- (-20°C)	3,78	<1	-	4	b
2006	2260	Couscous	RTRH (Couscous)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	4	b
2006	2261	Escalope à la crème	RTRH (poultry)	<i>E. coli</i> O157:H7 AMVT6	Faeces	Spiking-NaCl 8%	2,39	<1	-	4	b
2006	2309	Poulet massala	RTRH (chicken)	<i>E. coli</i> O157:H7 ET8	Slaughterhouse	Spiking-50°C-15min	0,7	4,0	+	4	b
2006	2310	Travers de porc au miel	RTRH (pork)	<i>E. coli</i> O157:H7 ET8	Slaughterhouse	Spiking-50°C-15min	0,7	4,0	+	4	b
2006	2311	Poulet Korma	RTRH (chicken)	<i>E. coli</i> O157:H7 ET8	Slaughterhouse	Spiking-50°C-15min	0,7	4,0	+	4	b
2015	3273	Tomate farcie cuite	RTRH (beef tomatoes)	<i>E. coli</i> O157:H7 Ad924	Ground beef	Seeding-48h 4°C	/	4-2-3-1-5 (3,0)	+	4	b
2015	3274	Lasagne bolognaise	RTRH (beef pastas)	<i>E. coli</i> O157:H7 Ad1071	Ground beef	Seeding-48h 4°C	/	0-5-4-1-2 (2,4)	+	4	b
2015	3429	Macaroni bœuf, tomate	RTRH (pasta beef)	<i>E. coli</i> O157:H7 Ad976	Beef	Seeding-48h 4°C	/	4-5-7-3-4 (4,6)	-	4	b
2015	3430	Hachis parmentier	RTRH (potatoes)	<i>E. coli</i> O157:H7 Ad976	Beef	Seeding-48h 4°C	/	4-5-7-3-4 (4,6)	-	4	b
2019	7399	Rougail de saucisses	RTRH (sausages)	<i>E. coli</i> O157:H7 Ad580	Faeces	Seeding-48h 3± 2°C	/	5-5-6-2-3 (4,2)	-	4	b
2019	8067	Hachis parmentier	RTRH (potatoes)	<i>E. coli</i> O157:H7 Ad572	Faeces	Seeding-48h 3± 2°C	/	1-2-2-1-2 (1,6)	+	4	b
2006	1674	Omelette nature	Omelette	<i>E. coli</i> O157:H7BV2	Slaughterhouse environment	Spiking-NaCl 10%-50°C	2,44	6,0	+	4	c
2006	2361	Aumônier framboise	Pastry	<i>E. coli</i> O157:H7 435	Ground beef	Spiking-0-20°C	>1,44	7,0	+	4	c

Year of analysis	Sample N°	Product (French name)	Product (English name)	Artificial contamination					Global result	Category	Type
				Strain	Origin	Injury protocol	Injury measurement	Inoculation level CFU/sample			
2006	2365	Eclair à la vanille	Pastry	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%	>1,08	12,0	+	4	c
2006	2366	Framboisier	Pastry	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%	>1,08	12,0	+	4	c
2006	2367	Gâteau éclipse	Pastry	<i>E. coli</i> O157:H7 AZ15-6	Faeces	Spiking-NaCl 10%	>1,08	12,0	-	4	c
2019	7400	Tortilla pommes de terre	Egg based product (tortilla)	<i>E. coli</i> O157:H7 Ad573	Faeces	Seeding-48h 3± 2°C	/	4-2-1-4-2 (2,6)	+	4	c
2019	7401	Tortilla pommes de terre	Egg based product (tortilla)	<i>E. coli</i> O157:H7 Ad576	Faeces	Seeding-48h 3± 2°C	/	3-5-2-2-2 (2,8)	+	4	c
2019	7402	Tortilla aux oignons	Egg based product (tortilla)	<i>E. coli</i> O157:H7 Ad580	Faeces	Seeding-48h 3± 2°C	/	5-5-6-2-3 (4,2)	+	4	c
2019	7403	Flan pâtissier	Pastry	<i>E. coli</i> O157:H7 Ad573	Faeces	Seeding-48h 3± 2°C	/	4-2-1-4-2 (2,6)	-	4	c
2019	7404	Flan pâtissier	Pastry	<i>E. coli</i> O157:H7 Ad576	Faeces	Seeding-48h 3± 2°C	/	3-5-2-2-2 (2,8)	+	4	c
2019	7405	Choux chantilly	Pastry	<i>E. coli</i> O157:H7 Ad3101	Cheese	Seeding-48h 3± 2°C	/	1-1-3-3-2 (2,0)	-	4	c
2019	7784	Eclair au chocolat	Pastry	<i>E. coli</i> O157:H7 Ad2843	Raw milk	Seeding-48h 3± 2°C	/	2-0-2-3-2 (1,8)	-	4	c
2019	7785	Choux chantilly	Pastry	<i>E. coli</i> O157:H7 Ad2843	Raw milk	Seeding-48h 3± 2°C	/	2-0-2-3-2 (1,8)	-	4	c
2019	7786	Tartelette framboise	Pastry	<i>E. coli</i> O157:H7 Ad572	Faeces	Seeding-48h 3± 2°C	/	4-2-2-1-2 (2,2)	+	4	c
2019	8061	Omelette à la pomme de terre	Egg based product (tortilla)	<i>E. coli</i> O157:H7 Ad572	Faeces	Seeding-48h 3± 2°C	/	1-2-2-1-2 (1,6)	+	4	c
2019	8062	Omelette à la pomme de terre	Egg based product (tortilla)	<i>E. coli</i> O157:H7 Ad573	Faeces	Seeding-48h 3± 2°C	/	4-1-1-1-1 (1,6)	+	4	c
2019	8063	Omelette à la pomme de terre	Egg based product (tortilla)	<i>E. coli</i> O157:H7 Ad574	Faeces	Seeding-48h 3± 2°C	/	1-2-0-1-4 (1,6)	+	4	c

## Appendix 4 – Sensitivity study: raw data

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

#### **E. coli O157 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  
-: no typical colonies but presence of background microflora  
st: plate without any colony  
d: doubtful result  
NC: non-characteristic colony onto nutritive agar  
A+: auto-agglutinable strain  
PA: positive agreement  
NA: negative agreement  
ND: negative deviation  
PD: positive deviation  
PPNA: positive presumptive negative agreement  
PPND: positive presumptive negative deviation  
W: weak reaction

MEAT PRODUCTS															
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7 Pre-warmed mTSB Novobiocin for 16h at 41.5°C					Category	Type
				IMS 6h		IMS 24h		Final Result	RAPID'E. coli O157:H7	Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt			
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157								
2006	980	Collier de bœuf	Beef trim	+	+	-	-	+	+ (dark blue without halo) ( <i>E. fergusonii</i> )	-	-	PPND	1	a	
2006	983	Surface de carcasse de veau	Veal carcass	-	-	-	-	-	-	/	-	NA	1	a	
2006	984	Surface de carcasse de bœuf	Beef carcass	+	+	-	-	-	-	/	-	NA	1	a	
2006	985	Epaule de bœuf	Beef trim	-	+	-	-	-	-	/	-	NA	1	a	
2006	986	Epaule de porc	Pork trim	-	+	-	-	-	-	/	-	NA	1	a	
2006	1039	Viande hachée de bœuf	Ground beef	-	+	-	-	-	+	+/-	+	PD	1	a	
2006	1055	Filet de poulet	Poultry meat	+	+	/	/	+	+	+/-	+	PA	1	a	
2006	1231	Bardière	Raw pork meat	-	+	-	+	-	-	/	-	NA	1	a	
2006	1232	Collier de bœuf	Raw beef meat	-	-	-	+	-	-	/	-	NA	1	a	
2006	1234	Collier de veau	Raw veal meat	+	-	-	-	-	-	/	-	NA	1	a	
2006	1526	Escalope de dindonneau	Turkey meat	-	-	-	-	-	-	/	-	NA	1	a	
2006	1527	Paupiette de veau	Veal meat	-	+d	-	-	-	-	/	-	NA	1	a	
2006	1528	Escalope de dinde	Turkey meat	-	-	+	-	-	-	/	-	NA	1	a	
2006	1529	Brochette de dindonneau	Turkey meat	+	-	+	+	-	-	/	-	NA	1	a	
2006	1643	Steak haché de bœuf	Ground beef	-	-	-	-	-	+d(blue green)( <i>E.coli</i> )	-	-	NA	1	a	
2006	1645	Viande hachée de bœuf	Ground beef	-	-	-	-	-	+d(blue green) ( <i>Citrobacter freundii</i> )	-	-	NA	1	a	
2006	1675	Mignon de veau	Raw veal meat	+	+	+	+	+	+	+/-	+	PA	1	a	
2006	1677	Blanquette de veau	Raw veal meat	-	-	+	+	+	+	+/-	+	PA	1	a	
2006	1678	Blanquette de veau	Raw veal meat	-	-	+	+	+	+	+/-	+	PA	1	a	
2006	1680	Boulette au bœuf	Seasoned beef meat	+	-	+	+	+	+	+/-	+	PA	1	a	
2006	2262	Viande de dinde crue	Raw turkey meat	+	+	+	+	-	-	/	-	NA	1	a	
2006	2263	Viande blanche	Raw poultry meat	+	+	+	+	-	-	/	-	NA	1	a	
2006	2264	Steak haché	Raw ground beef	+	+	+	+	-	-	/	-	NA	1	a	
2006	2381	Steak haché de bœuf	Ground beef	+	-	-	-	-	-	/	-	NA	1	a	
2006	2382	Haché de veau	Ground veal meat	+	+	/	/	+	+	+/-	+	PA	1	a	
2006	987	Blanc de poulet sans peau surgelé	Frozen poultry meat	+	+	+	+	+	+	+/-	+	PA	1	b	
2006	988	Morceaux de poulet avec peau surgelés	Frozen poultry meat	+	+	-	-	+	d (blue green)	-	-	ND	1	b	
2006	989	Viande blanche surgelée	Frozen poultry meat	-	+	-	-	-	+d(dark blue without halo) ( <i>E. fergusonii</i> )	-	-	PPNA	1	b	
2006	990	Viande blanche surgelée	Frozen poultry meat	+	+ (2).	-	-	-	+ (1)(dark blue without halo) ( <i>E. fergusonii</i> )	-	-	PPNA	1	b	
2006	991	Blanc de poulet sans peau surgelé	Frozen poultry meat	+	+	+	+	+	+	+/-	+	PA	1	b	
2006	992	Blanc de poulet sans peau surgelé	Frozen poultry meat	-	+ (1)	-	-	-	d (blue green)	-	-	NA	1	b	

♦ Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7

MEAT PRODUCTS																	
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7					Category	Type		
				IMS 6h		IMS 24h		Final Result	Pre-warmed mTSB Novobiocin for 16h at 41.5°C		Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157		RAPID'E. coli O157:H7								
2006	993	Morceaux de poulet avec peau surgelés	Frozen poultry meat	+	+	-	-	+	+	+	+/-	+	PA	1	b		
2006	994	Morceaux de poulet avec peau surgelés	Frozen poultry meat	+	+	+	+	+	+	+	+/-	+	PA	1	b		
2006	1530	Boulette de viande de bœuf surgelé	Frozen seasoned beef meat	-	-	+	-	-	+d (blue green) ( <i>E.coli</i> )	-	-	NA	1	b			
2006	1642	Boulette de viande de bœuf surgelé	Frozen seasoned beef meat	-	-	-	-	-	-	-	/	-	NA	1	b		
2006	1644	Boulette de viande de bœuf surgelé	Frozen seasoned beef meat	-	-	-	-	-	+d (blue green) ( <i>E.coli</i> )	-	-	NA	1	b			
2006	1679	Boulette de viande surgelé	Frozen seasoned beef meat	+	+	/	/	+	+	+	+/-	+	PA	1	b		
2006	2065	Ossobucco de veau surgelé	Frozen veal meat		-	-	-	-	-	-	/	-	NA	1	b		
2019	7264	Veau sauté surgelé	Frozen veal meat	+p	+M	/	/	+	+m	+/-	+	PA	1	b			
2019	7265	Veau sauté surgelé	Frozen veal meat	+p	+M	/	/	+	+mdni/-	/	-	ND	1	b			
2019	7266	Escalope hachée de veau	Ground veal meat	+p	+p	/	/	+	+M	+/-	+	PA	1	b			
2019	7267	Steaks hachés surgelés	Frozen ground beef	+p	+p	/	/	+	+p	+/-	+	PA	1	b			
2019	7268	Pur bœuf surgelé	Frozen beef meat	+p	+p	/	/	+	+M	+/-	+	PA	1	b			
2019	7269	Biftecks hachés surgelés	Frozen ground beef	+p	+p	/	/	+	+p	+/-	+	PA	1	b			
2019	8068	Filet mignon de porc surgelé	Frozen pork meat	st	st	st	st	-	st	/	-	NA	1	b			
2006	981	Haché de veau à la tomate	Seasoned ground beef	+	+	+	+	+	-	/	-	ND	1	c			
2006	982	Haché de veau à la tomate	Seasoned ground beef	+	+	+	+	+	+d(1)	+/-	+	PA	1	c			
2006	1040	Pâté de campagne	Pâté	+	+	/	/	+	+	+/-	+	PA	1	c			
2006	1048	Mousse de canard	Delicatessen (duck)	+	+	/	/	+	+	+/-	+	PA	1	c			
2006	1049	Merguez	Merguez	-	+	+	+	+	+	+/-	+	PA	1	c			
2006	1050	Farce à légumes	Seasoned pork meat	-	+	+	-	+	+	+/-	+	PA	1	c			
2006	1053	Lardons nature	Bacon	+	+	/	/	+	+	+/-	+	PA	1	c			
2006	1054	Lardons fumés	Smoked bacon	+	+	/	/	+	+	+/-	+	PA	1	c			
2006	1230	Jambon	Ham	+	+	-	+	-	-	/	-	NA	1	c			
2006	1233	Brochettes provençales	Seasoned pork meat	+	+	-	+	-	-	/	-	NA	1	c			
2006	1235	Chipolatas	Sausages	-	-	-	-	-	-	/	-	NA	1	c			
2006	1236	Saucisses de Montbéliard	Sausages	-	-	-	-	-	-	/	-	NA	1	c			
2006	1237	Lardons	Bacon	-	-	-	-	-	-	/	-	NA	1	c			
2006	2265	Chair à saucisse	Seasoned ground pork meat	-	+	+	-	-	-	/	-	NA	1	c			
2015	3271	Couscous	RTRH (Couscous)	st	st	st	st	-	st	/	-	NA	1	c			
2015	3272	Chair à saucisse	Seasoned ground pork meat	+p	+1/2	/	/	+	+M	+/-	+	PA	1	c			
2015	3431	Boulettes au boeuf à la napolitaine	Cooked seasoned beef balls	+p	+d	/	/	+	+p	+/-	+	PA	1	c			
2015	3270	Dés de jambon	Ham	st	st	st	-	-	st	/	-	NA	1	c			
2019	7397	Bœuf bourguignon	Cooked beef meat	+p	+p	/	/	+	+p	+/-	+	PA	1	c			
2019	7398	Bœuf bourguignon	Cooked beef meat	+p	+p	/	/	+	+M	+/-	+	PA	1	c			

DAIRY PRODUCTS																	
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7					Category	Type		
				IMS 6h		IMS 24h		Final Result	Pre-warmed mTSB Novobiocin for 16h at 41.5°C		Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157		RAPID'E. coli O157:H7								
2006	1536	Lait cru	Raw milk	+	-	-	-	-	d (blue green)	-	-	NA	2	a			
2006	1537	Lait cru	Raw milk	-	-	-	+	-	d(blue green) (E.coli)	-	-	NA	2	a			
2006	1538	Lait cru	Raw milk	-	-	-	+	-	-	/	-	NA	2	a			
2006	1539	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	1540	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	2191	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	2192	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	2193	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	1150	Lait cru	Raw milk	+	+	/	/	+	+	+/-	+	PA	2	a			
2006	1839	Lait cru	Raw milk	-	-	-	-	-	+d (blue green) (Hafnia alvei)	-	-	NA	2	a			
2006	2245	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	2246	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2006	2370	Lait cru	Raw milk	-	-	+	+	+	+d(1)	+/-	+	PA	2	a			
2006	2371	Lait cru	Raw milk	-	-	+	+	+	-	/	-	ND	2	a			
2015	3275	Lait cru	Raw milk	-	-	-	+md	-	+m(2)	+/-	+	PD	2	a			
2015	3423	Lait cru	Raw milk	+p	+p	/	/	+	+p	+/-	+	PA	2	a			
2015	3425	Lait cru	Raw milk	+p	-	/	/	+	+pd	+/-	+	PA	2	a			
2015	3277	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2015	3278	Lait cru	Raw milk	-	+md	-	-	-	+md (blue green)	-(5)	-	NA	2	a			
2015	3424	Lait cru	Raw milk	-	-	-	-	-	-	/	-	NA	2	a			
2019	7377	Lait cru de vache	Raw milk	+Md	+md	+md	-	-	+m/d (Pantoea sp)	-	-	PPNA	2	a			
2019	7378	Lait cru de vache	Raw milk	+1/2	+md	+md	-	-	+m/d (Pantoea sp)	-	-	PPNA	2	a			
2019	7379	Lait cru de vache	Raw milk	+p	+md	/	/	+	+m/d	+/-	+	PA	2	a			
2019	7380	Lait cru de vache	Raw milk	+p	+md	/	/	+	+m/d	+/-	+	PA	2	a			
2019	7381	Lait cru de vache	Raw milk	+p	+md	/	/	+	+m/d	+/-	+	PA	2	a			
2019	7773	Lait cru	Raw milk	+md (Latex-)	-	+md (Latex-)	+md (Latex-)	-	+md (E.coli)	-	-	PPNA	2	a			
2019	7774	Lait cru	Raw milk	+md(L-)	-	-	+md	+	+md (E.coli)	-	-	PPND	2	a			
2019	8049	Lait cru de vache	Raw cow milk	+p	+1/2	/	/	+	+M	+/-	+	PA	2	a			
2019	8050	Lait cru de vache	Raw cow milk	+M	+(1)	/	/	+	+M	+/-	+	PA	2	a			
2006	1631	Fromage frais	Cheese	-	-	-	-	-	-	/	-	NA	2	b			
2006	1632	Camembert au lait cru	Raw milk cheese	+	+	-	-	-	+d(blue green) (E.coli)	-	-	NA	2	b			
2006	1633	Crottin de Chavignol	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			
2006	1634	Rocamadour	Raw milk cheese	-	-	-	-	-	d (blue green)	-	-	NA	2	b			
2006	1635	Tomme de Savoie	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			
2006	2186	Bleu au lait cru	Raw milk cheese	-	-	+	-	-	-	/	-	NA	2	b			
2006	2187	Bleu au lait cru	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			

♦ Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7

DAIRY PRODUCTS																	
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7					Category	Type		
				IMS 6h		IMS 24h		Final Result	Pre-warmed mTSB Novobiocin for 16h at 41.5°C		Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157		RAPID'E. coli O157:H7								
2006	2188	Tomme au lait cru	Raw milk cheese	-	-	-	-	-	+ (1 col d blue green) ( <i>Hafnia alvei</i> )	-	-	NA	2	b			
2006	2189	St Nectaire lait cru	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			
2006	2190	Reblochon au lait cru	Raw milk cheese	-	-	-	-	-	+d (blue green) ( <i>Hafnia alvei</i> )	-	-	NA	2	b			
2006	1046	Fromage	Cheese	-	+	+	+	+	+	+	+/	+	PA	2	b		
2006	1047	Crottin de chavignol	Cheese	+	+	/	/	+	+	+	+/	+	PA	2	b		
2006	1052	Reblochon	Cheese	+	+	/	/	+	+	+	+/	+	PA	2	b		
2006	1058	Fromage	Cheese	+	+	/	/	+	+	+	+/	+	PA	2	b		
2006	1148	Livarot	Cheese	-	-	+	+	+	+	+	+/	+	PA	2	b		
2006	1151	Raclette	Cheese	+	-	+	+	+	+	+	+/	+	PA	2	b		
2006	1667	Camembert	Cheese	-	+	+	+	-	-	/	-	NA	2	b			
2006	1670	Fromage au lait cru	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			
2019	7382	Emmental au lait cru	Raw milk cheese	+p	+p	/	/	+	+m/d	+/+	+	PA	2	b			
2019	7383	Emmental au lait cru	Raw milk cheese	st	-	st	-	-	-	/	-	NA	2	b			
2019	7384	Morbier au lait cru	Raw milk cheese	+M	+1/2	/	/	+	+md	+/+	+	PA	2	b			
2019	7385	Morbier au lait cru	Raw milk cheese	-	+1/2d	-	-	-	-	/	-	NA	2	b			
2019	7386	Petit camembert au lait cru	Raw milk cheese	-	+(1ni)	+md	-	-	+1/2d (E.coli)	-	-	PPNA	2	b			
2019	7775	Reblochon au lait cru de vache	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			
2019	7776	Reblochon au lait cru de vache	Raw milk cheese	-	-	-	-	-	-	/	-	NA	2	b			
2019	8051	Fromage de chèvre au lait cru	Raw goat milk cheese	+p	+p	/	/	+	+p	+/+	+	PA	2	b			
2019	8052	Fromage de chèvre au lait cru	Raw goat milk cheese	st	st	st	-	-	-	/	-	NA	2	b			
2019	8053	Fromage de chèvre au lait cru	Raw goat milk cheese	st	st	st	-	-	st	/	-	NA	2	b			
2006	1630	Yaourt au lait de brebis	Ewe milk yogurt	-	-	-	-	-	-	/	-	NA	2	c			
2006	1636	Faisselle	Cottage cheese	-	-	-	-	-	+ (1) (blue green) (E.coli)	-	-	NA	2	c			
2006	1637	Yaourt bio	Yogurt	-	-	-	-	-	+d(blue green) (E.coli)	-	-	NA	2	c			
2006	2194	Lait ribot	Raw milk	-	-	-	-	-	-	/	-	NA	2	c			
2006	1147	Lait ribot	Fermented milk	+	+	/	/	+	+	+/	+	PA	2	c			
2006	1149	Lait fermenté	Fermented milk	+	+	/	/	+	+	+/	+	PA	2	c			
2006	1664	Fromage frais	Cheese	-	-	-	-	-	-	/	-	NA	2	c			
2006	1682	Crème fraîche	Fresh cream	-	-	+	+	+	+	+/	+	PA	2	c			
2006	1683	Yaourt fermier	Yogurt	-	-	+	+	+	+	+/	+	PA	2	c			
2006	2247	Yaourt brassé myrtille	Yogurt with fruit	-	-	-	-	-	-	/	-	NA	2	c			
2006	2248	Yaourt sucré myrtille	Yogurt with fruit	-	-	-	-	-	-	/	-	NA	2	c			
2006	2249	Yaourt brassé nature	Yogurt	-	-	-	-	-	-	/	-	NA	2	c			
2006	2250	Yahourt sucré fraise	Yogurt with fruit	-	-	-	-	-	-	/	-	NA	2	c			
2015	3279	Gros lait	Fermented milk	st	st	st	-	-	st	/	-	NA	2	c			
2015	3426	Lait ribot	Fermented milk	st	st	-	-	-	+p	+/	+	PD	2	c			
2015	3427	Lait ribot	Fermented milk	+p	+d	/	/	+	+p	+/	+	PA	2	c			
2015	3428	Gros lait	Fermented milk	+p	+d	/	/	+	+p	+/	+	PA	2	c			

DAIRY PRODUCTS															
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID' <i>E.coli</i> O157:H7 Pre-warmed mTSB Novobiocin for 16h at 41.5°C					Category	Type
				IMS 6h		IMS 24h		Final Result	RAPID' <i>E. coli</i> O157:H7	Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt			
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157								
2015	3276	Lait ribot	Fermented milk	st	st	st	-	-	st	/	-	NA	2	c	
2019	7387	Yahourt nature	Yogurt	+p	+p	/	/	+	+M	+/+	+	PA	2	c	
2019	7388	Yahourt nature	Yogurt	+p	+p	/	/	+	+p	+/+	+	PA	2	c	
2019	7389	Faisselle de fromage blanc	Yogurt	+p	+p	/	/	+	+p	+/+	+	PA	2	c	

## FRUITS AND VEGETABLES

Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID' <i>E.coli</i> O157:H7 Pre-warmed mTSB Novobiocin for 16h at 41.5°C				Category	Type		
				IMS 6h		IMS 24h		Final Result	RAPID' <i>E. coli</i> O157:H7	Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157									
2006	1238	Carottes râpées	Grated carrots	-	-	-	-	-	d (4)(blue green)	-	-	NA	3	a		
2006	1239	Coleslaw	RTE (salad carrots)	-	-	-	-	-	-	/	-	NA	3	a		
2006	1646	Wok nordique	Mix vegetables	+	+	-	-	-	-	/	-	NA	3	a		
2006	1647	Chou blanc râpé	Grated cabbage	-	-	-	-	-	-	/	-	NA	3	a		
2006	1648	Cœur de scarole	Salad	-	-	-	-	-	-	/	-	NA	3	a		
2006	2070	Carottes en cubes	Raw carrots		-	-	-	-	-	/	-	NA	3	a		
2006	2073	Oignons en poudre	Powdered onion		-	-	-	-	-	/	-	NA	3	a		
2006	975	Haricots beurre	Beans	+	+	-	+	+	+	+/-	+	PA	3	a		
2006	976	Carottes râpées	Grated carrots	+	+	+	+	+	+	+/-	+	PA	3	a		
2006	1155	Trio de choux	RTE (cabbage)	+	-	/	/	+	+	+/-	+	PA	3	a		
2006	1173	Choux de Bruxelles	Raw chou Brussels	-	-	+	+	+	+	+/-	+	PA	3	a		
2006	1174	Courgettes rondelles	Raw zucchini	+	+	/	/	+	+	+/-	+	PA	3	a		
2006	1175	Choux blanc	Raw cabbage	+	+	/	/	+	+	+/-	+	PA	3	a		
2006	1176	Julienne de légumes	Raw vegetables mix	-	-	+	+	+	+	+/-	+	PA	3	a		
2006	1177	Haricots verts	Raw green beans	-	-	-	-	-	+	+/-	+	PD	3	a		
2006	1178	Poivrons verts	Raw green pepper	-	-	-	-	-	+	+/-	+	PD	3	a		
2006	1180	Brocolis	Raw broccoli	+	+	/	/	+	+	+/-	+	PA	3	a		
2019	7390	Ananas coupé	Cut pineapple	st	st	st	-	-	-	/	-	NA	3	a		
2019	7391	Ananas coupé	Cut pineapple	st	st	+md	+M	+	+M	+/-	+	PA	3	a		
2019	7787	Fruits découpés: pomme, fraise, raison	Cut fruits	st	st	st	st	-	st	/	-	NA	3	a		
2006	1541	Purée de brocolis	Broccoli purée	-	-	-	-	-	-	/	-	NA	3	b		
2006	1542	Purée d'artichauts	Artichoke purée	-	-	-	-	-	d (blue green)	-	-	NA	3	b		
2006	1543	Purée de mûres	Blackberries purée	-	-	-	-	-	-	/	-	NA	3	b		
2006	1544	Purée de mangue	Mango purée	-	-	-	-	-	-	/	-	NA	3	b		
2006	1545	Purée de pêches blanches	White peaches purée	-	-	-	-	-	-	/	-	NA	3	b		
2006	1638	Velouté de courgettes	Zucchini soup	-	-	-	-	-	-	/	-	NA	3	b		
2006	1639	Soupe froide carotte melon	Carrots melon soup	-	-	-	-	-	-	/	-	NA	3	b		
2006	1640	Soupe froide banane potiron kiwi	Soup	-	-	-	-	-	-	/	-	NA	3	b		
2006	1641	Soupe froide orange banane carotte	Soup	-	-	-	-	-	-	/	-	NA	3	b		
2006	2071	Coulis de framboises	Raspberry sauce		-	-	-	-	-	/	-	NA	3	b		
2006	2072	Coulis de framboises	Raspberry sauce		-	-	-	-	-	/	-	NA	3	b		
2006	2074	Oignons en poudre grillés	Powder onion		-	-	-	-	-	/	-	NA	3	b		
2006	2075	Purée de fraise	Strawberry puree		-	-	-	-	-	/	-	NA	3	b		
2006	2076	Purée de mangue	Mango puree		-	-	-	-	-	/	-	NA	3	b		
2006	2077	Purée pêche poire	Pear peach puree		-	-	-	-	-	/	-	NA	3	b		
2006	2195	Gaspacho	Gazpacho	-	-	+	-	-	d (blue green)	-	-	NA	3	b		

♦ Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'*E. coli* O157:H7

## FRUITS AND VEGETABLES

Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7 Pre-warmed mTSB Novobiocin for 16h at 41.5°C				Category	Type		
				IMS 6h		IMS 24h		Final Result	RAPID'E. coli O157:H7	Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157									
2006	2196	Velouté de cresson frais	Cream of watercress	-	-	-	-	-	-	/	-	NA	3	b		
2006	2197	Soupe fraîche aux légumes du potager	Soup (vegetables)	-	-	+	-	-	-	/	-	NA	3	b		
2006	2198	Oranges pressées	Orange juice	-	-	-	-	-	-	/	-	NA	3	b		
2006	2200	Pommes pressées	Apple juice	-	-	-	-	-	-	/	-	NA	3	b		
2006	2201	Jus de fruit au lait	Dairy fruit juice	-	-	+	-	-	-	/	-	NA	3	b		
2006	2202	Compote pomme poire	Pear apple sauce	-	-	-	-	-	-	/	-	NA	3	b		
2006	2203	Compote pomme pruneau	Apple prune sauce	-	-	-	-	-	-	/	-	NA	3	b		
2006	2204	Compote pomme fraise	Apple strawberry sauce	-	-	-	-	-	-	/	-	NA	3	b		
2006	2205	Compote pomme vanille	Apple vanilla sauce	-	-	+	-	-	-	/	-	NA	3	b		
2006	1179	Sauce tomate/basilic	Sauce (tomato basilic)	-	-	-	-	-	+	+/-	+	PD	3	b		
2006	2251	Velouté cresson	Cream of watercress	-	-	+	+	+	+	+/-	+	PA	3	b		
2006	2252	Soupe carottes melon	Carrots melon soup	-	-	-	-	-	-	/	-	NA	3	b		
2006	2253	Jus banane potiron kiwi	Fruit juice	-	-	-	-	-	-	/	-	NA	3	b		
2006	2254	Jus orange banane carotte	Fruit juice	-	-	-	-	-	-	/	-	NA	3	b		
2006	2312	Soupe carotte melon	Carrots melon soup	+	+	/	/	+	+	+/-	+	PA	3	b		
2006	2313	Velouté de cresson frais	Cream of watercress	+	+	/	/	+	+	+/-	+	PA	3	b		
2006	2314	Velouté d'aubergines	Eggplant soup	+	+	/	/	+	+	+/-	+	PA	3	b		
2006	2356	Purée de fruits des bois	Fruit puree	-	-	+	+	+	+	+/-	+	PA	3	b		
2006	2357	Purée de fraise	Strawberry puree	-	-	-	+d	-	-	/	-	NA	3	b		
2006	2358	Purée de fruits des bois	Fruit puree	-	-	-	-	-	-	/	-	NA	3	b		
2006	2359	Velouté de courgettes	Zucchini soup	+	-	+	+	+	+	+/-	+	PA	3	b		
2006	2360	Soupe aux légumes du potager	Soup vegetables	+	+	/	/	+	+	+/-	+	PA	3	b		
2019	8138	Soupe courgettes, petits pois, brocolis	Vegetables soup	+p	+p	/	/	+	+M	+/-	+	PA	3	b		
2019	8139	Soupe carottes, citron, cumin	Vegetables soup	+p	+p	/	/	+	+M	+/-	+	PA	3	b		
2019	8140	Soupe 6 légumes variés	Vegetables soup	+p	+p	/	/	+	+p	+/-	+	PA	3	b		
2019	8141	Jus de pomme frais	Fresh apple juice	st	st	st	st	-	st	/	-	NA	3	b		
2019	8142	Jus mangue passion frais	Fresh mango juice	st	st	-	-	-	-	/	-	NA	3	b		
2006	1245	Cidre fermier	Cider	-	-	-	-	-	-	/	-	NA	3	c		
2006	2199	Cidre fermier	Cider	-	-	-	-	-	-	/	-	NA	3	c		
2006	1152	Cidre Dan Armor	Cider	+	+	/	/	+	+	+/-	+	PA	3	c		
2006	1153	Cidre traditionnel	Cider	+	+	/	/	+	+	+/-	+	PA	3	c		
2006	1160	Choucroute	RTRH (Choucroute)	-	-	+	+	+	+	+/-	+	PA	3	c		
2006	1161	Olives vertes	Fermented olives	-	-	+	+	+	+	+/-	+	PA	3	c		
2006	1162	Olives noires	Fermented olives	-	-	+	+	+	+	+/-	+	PA	3	c		
2019	8135	Radis noir lactofermenté	Fermented black radish	+p	+p	/	/	+	+p	+/-	+	PA	3	c		
2019	7392	Cornichons	Pickles	st	st	st	st	-	st	/	-	NA	3	c		
2019	7393	Cornichons	Pickles	st	st	st	st	-	st	/	-	NA	3	c		
2019	7394	Piments rouges fermentés	Fermented red pepper	st	st	st	st	-	st	/	-	NA	3	c		

FRUITS AND VEGETABLES															
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID' <i>E.coli</i> O157:H7 Pre-warmed mTSB Novobiocin for 16h at 41.5°C					Category	Type
				IMS 6h		IMS 24h		Final Result	RAPID' <i>E. coli</i> O157:H7	Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt			
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157								
2019	7395	Piments rouges fermentés	Fermented red pepper	st	st	st	st	-	st	/	-	NA	3	c	
2019	7396	Choucroute crue	Sauerkraut	st	st	st	st	-	st	/	-	NA	3	c	
2019	7777	Cocktail de légumes lactofermentés	Fermented vegetables	st	st	st	st	-	st	/	-	NA	3	c	
2019	7778	Cocktail de légumes lactofermentés	Fermented vegetables	st	st	st	st	-	st	/	-	NA	3	c	
2019	7779	Radis noirs lactofermentés	Fermented black radish	+p	+p	/	/	+	+p	+/-	+	PA	3	c	
2019	7780	Radis noirs lactofermentés	Fermented black radish	st	st	st	st	-	st	/	-	NA	3	c	
2019	7781	Carottes lactofermentées	Fermented carrots	st	st	st	st	-	st	/	-	NA	3	c	
2019	8054	Chou rouge lactofermenté	Fermented red cabbage	st	st	st	st	-	st	/	-	NA	3	c	
2019	8055	Chou rouge lactofermenté	Fermented red cabbage	st	st	st	st	-	st	/	-	NA	3	c	
2019	8056	Carotte lactofermentée	Fermented carrots	st	st	st	st	-	st	/	-	NA	3	c	
2019	8057	Carotte lactofermentée	Fermented carrots	st	st	st	st	-	st	/	-	NA	3	c	
2019	8058	Chou blanc lactofermenté	Fermented white cabbage	st	st	st	st	-	-	/	-	NA	3	c	
2019	8059	Chou blanc lactofermenté	Fermented white cabbage	st	st	st	st	-	st	/	-	NA	3	c	
2019	8060	Radis noir lactofermenté	Fermented black radish	-	+Md	+1/2	+M	+	+p	+/-	+	PA	3	c	
2019	8136	Cocktail de légumes lactofermentés	Fermented vegetables	st	st	st	st	-	st	/	-	NA	3	c	
2019	8137	Carottes lactofermentés	Fermented carrots	st	st	st	st	-	st	/	-	NA	3	c	

COMPOSITE FOODS																	
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7					Category	Type		
				IMS 6h		IMS 24h		Final Result	Pre-warmed mTSB Novobiocin for 16h at 41.5°C		Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157		RAPID'E. coli O157:H7								
2006	1240	Salade bulgare	RTE (salad)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1241	Salade de choux	RTE (cabbage salad)	-	-	-	-	-	d( 1)(blue green)	-	-	-	NA	4	a		
2006	1531	Rillettes de thon	Tuna rillettes	-	-	+	-	-	-	-	/	-	NA	4	a		
2006	1649	Sandwich américain jambon	RTE (sandwich ham)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	2058	Taboulé volaille	RTE (Tabbouleh)		-	-	-	-	-	-	/	-	NA	4	a		
2006	2059	Cervelas rémoulade	RTE (Salad)		-	-	-	-	-	-	/	-	NA	4	a		
2006	2060	Pâtes à la volaille	RTE (Salad pastas and poultry)		-	-	-	-	-	-	/	-	NA	4	a		
2006	2061	Riz niçois	RTE (Salad rice and vegetables)		-	-	-	-	-	-	/	-	NA	4	a		
2006	2062	Céleri rémoulade	RTE (Salad celery)		-	-	-	-	-	-	/	-	NA	4	a		
2006	977	Macédoine	RTE (vegetables)	+	+	+	+	+	+	+	+/-	+	PA	4	a		
2006	978	Salade de tomate à la Grecque	RTE (mushrooms)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1056	Salade Comtoise	RTE (salad with cheese)	-	+	+	+	+	+	+	+/-	+	PA	4	a		
2006	1057	Salade Strasbourgeoise	RTE (salad)	+	+	/	/	+	+	+	+/-	+	PA	4	a		
2006	1156	Salade de cervelas	RTE (salad pork)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1159	Salade piémontaise	RTE (Piémontaise)	-	-	+	+	+	+	+	+/-	+	PA	4	a		
2006	1171	Salade de cervelas	RTE (salad pork)	+	+	/	/	+	+	+	+/-	+	PA	4	a		
2006	1672	Terrine	RTE (terrine)	-	-	+	+	+	+	+	+/-	+	PA	4	a		
2006	1832	Pâtes fraîches au saumon	RTE (salad pasta salmon)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1833	Cyclade(salade)	RTE (salad)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1834	Tartinade de poulet	RTE (terrine)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1835	Tartinade de thon	RTE (tuna terrine)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1836	Chou à l'indienne	RTE (cabbage salad)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1837	Taboulé vert	RTE (salad tabbouleh)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1838	Taboulé vert	RTE (salad tabbouleh)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	1840	Carottes râpées	Grated carrots	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	2255	Salade crudités	Vegetables salad	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	2256	Piémontaise	RTE (Piémontaise)	-	-	-	-	-	-	-	/	-	NA	4	a		
2006	2257	Salade thon tomate	RTE (tuna tomatoes)	-	-	+	-	-	-	-	/	-	NA	4	a		
2019	7782	Salade coleslaw chou blanc, carotte	RTE (coleslaw)	st	st	st	st	-	st	/	-	NA	4	a			
2019	7783	Salade veggie, boulgour, légumes , lentilles	RTE (vegetables)	+p	+Md	/	/	+	+M	+/-	+	PA	4	a			
2019	8064	Taboulé de poulet rôti	RTE (Tabbouleh)	st	st	st	-	-	-	-	-	NA	4	a			
2019	8065	Taboulé de poulet rôti	RTE (Tabbouleh)	+Md (L-)	+p (L-)	+p	+p	+	+p	+w/+ (API: E.coli)	+	PA	4	a			
2019	8066	Riz à la provençale, thon, basilic	RTE (deli salad)	+Md (L-)	+p (L-)	+p	+p	+	+p	+w/+ (API: E.coli)	+	PA	4	a			
2006	1242	Petit salé au lentille	RTRH (pork, lentils)	-	-	-	-	-	-	/	-	NA	4	b			
2006	1243	Paëlla	RTRH (Paella)	-	-	-	-	-	-	/	-	NA	4	b			
2006	1244	Rissolé de porc	RTRH (pork)	-	-	-	-	-	-	/	-	NA	4	b			

♦ Analyses performed according to the COFRAC accreditation

COMPOSITE FOODS																	
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID'E.coli O157:H7					Category	Type		
				IMS 6h		IMS 24h		Final Result	Pre-warmed mTSB Novobiocin for 16h at 41.5°C		Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt				
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157		RAPID'E. coli O157:H7								
2006	1532	Filet de limande meunière	RTRH (fish)	-	-	-	-	-	d (blue green)	-	-	NA	4	b			
2006	1533	Moules décortiquées	RTRH (mussels)	-	-	-	-	-	-	/	-	NA	4	b			
2006	1534	Filet de cabillaud	RTRH (cob)	+	-	+	-	-	-	/	-	NA	4	b			
2006	1535	Poissonnette de colin	RTRH (fish)	-	-	-	-	-	-	/	-	NA	4	b			
2006	2066	Petit salé aux lentilles	RTRH (lentils sausages)		-	-	-	-	-	/	-	NA	4	b			
2006	2067	Brandade de morue	RTRH (fish)		-	-	-	-	-	/	-	NA	4	b			
2006	2068	Paëlla	RTRH (paella)		-	-	-	-	-	/	-	NA	4	b			
2006	2069	Hachis parmentier	RTRH (potatoes)		-	-	-	-	-	/	-	NA	4	b			
2006	1044	Lasagnes	RTRH (Lasagnes)	-	+	+	+	+	+	+/-	+	PA	4	b			
2006	1186	Epinards béchamel	RTC spinach	+	+	/	/	+	+	+/-	+	PA	4	b			
2006	1671	Plat cuisiné bolivien	RTRH	+	+	/	/	+	+	+/-	+	PA	4	b			
2006	1673	Mignon de veau sauce écrevisse	RTRH (veal)	+	-	+	+	+	+	+/-	+	PA	4	b			
2006	2258	Merguez ratatouille	RTRH (vegetables merguez)	-	-	-	-	-	-	/	-	NA	4	b			
2006	2259	Hachis parmentier	RTRH (potatoes)	+	-	-	-	-	-	/	-	NA	4	b			
2006	2260	Couscous	RTRH (Couscous)	-	-	-	-	-	-	/	-	NA	4	b			
2006	2261	Escalope à la crème	RTRH (poultry)	-	-	-	-	-	-	/	-	NA	4	b			
2006	2309	Poulet massala	RTRH (chicken)	+	+	/	/	+	+	+/-	+	PA	4	b			
2006	2310	Travers de porc au miel	RTRH (pork)	+	+	/	/	+	+	+/-	+	PA	4	b			
2006	2311	Poulet Korma	RTRH (chicken)	+	+	/	/	+	+	+/-	+	PA	4	b			
2015	3273	Tomate farcie cuite	RTRH (beef tomatoes)	+p	+p	/	/	+	+p	+/-	+	PA	4	b			
2015	3274	Lasagne bolognaise	RTRH (beef pastas)	+p	+p	/	/	+	+p	+/-	+	PA	4	b			
2015	3429	Macaraoni bœuf, tomate	RTRH (pasta beef)	st	st	st	-	-	st	/	-	NA	4	b			
2015	3430	Hachis parmentier	RTRH (potatoes)	st	-	st	-	-	-	/	-	NA	4	b			
2019	7399	Rougail de saucisses	RTRH (sausages)	st	st	st	st	-	st	/	-	NA	4	b			
2019	8067	Hachis parmentier	RTRH (potatoes)	+p	+p	/	/	+	+p	+/-	+	PA	4	b			
2006	1226	Chou chantilly	Egg-based dessert	-	-	-	-	-	-	/	-	NA	4	c			
2006	1227	Ile flottante	Egg-based dessert	-	-	-	-	-	-	/	-	NA	4	c			
2006	1228	Religieuse café	Egg-based dessert	-	-	-	-	-	-	/	-	NA	4	c			
2006	1229	Tartelette fraise	Egg-based dessert	-	-	-	-	-	-	/	-	NA	4	c			
2006	2063	Millefeuille	Pastry		-	-	-	-	-	/	-	NA	4	c			
2006	2064	Gâteau Tutti fruits	Pastry		-	-	-	-	-	/	-	NA	4	c			
2006	1674	Omelette nature	Omelette	+	+	/	/	+	+	+/-	+	PA	4	c			
2006	2361	Aumônier framboise	Pastry	-	-	+	+	+	+d	+/-	+	PA	4	c			
2006	2365	Eclair à la vanille	Pastry	-	-	+	+	+	+ (2)	+/-	+	PA	4	c			
2006	2366	Framboisier	Pastry	-	-	+	+	+	+	+/-	+	PA	4	c			
2006	2367	Gâteau éclipse	Pastry	-	-	-	-	-	d (blue green)	-	-	NA	4	c			
2019	7400	Tortilla pommes de terre	Egg-based product (tortilla)	+p	+p	/	/	+	+p	+/-	+	PA	4	c			
2019	7401	Tortilla pommes de terre	Egg-based product (tortilla)	+p	+p	/	/	+	+p	+/-	+	PA	4	c			
2019	7402	Tortilla aux oignons	Egg-based product (tortilla)	+p	+p	/	/	+	+p	+/-	+	PA	4	c			

COMPOSITE FOODS															
Year of analysis	Sample N°	Product (French name)	Product (English name)	Reference method: ISO 16654 ♦					Alternative method: RAPID' <i>E.coli</i> O157:H7 Pre-warmed mTSB Novobiocin for 16h at 41.5°C					Category	Type
				IMS 6h		IMS 24h		Final Result	RAPID' <i>E. coli</i> O157:H7	Confirmation Latex O157 / H7	Final result	Agreement Ref/Alt			
				CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157								
2019	7403	Flan pâtissier	Pastry	st	st	st	st	-	st	/	-	NA	4	c	
2019	7404	Flan pâtissier	Pastry	+p	+p	/	/	+	+p	+/-	+	PA	4	c	
2019	7405	Choux chantilly	Pastry	st	st	st	st	-	st	/	-	NA	4	c	
2019	7784	Eclair au chocolat	Pastry	st	st	st	st	-	st	/	-	NA	4	c	
2019	7785	Choux chantilly	Pastry	st	st	st	st	-	st	/	-	NA	4	c	
2019	7786	Tartelette framboise	Pastry	+p	+p	/	/	+	+p	+/-	+	PA	4	c	
2019	8061	Omelette à la pomme de terre	Egg-based product (tortilla)	+p	+p	/	/	+	+p	+/-	+	PA	4	c	
2019	8062	Omelette à la pomme de terre	Egg-based product (tortilla)	+Md	+p	/	/	+	+p	+/-	+	PA	4	c	
2019	8063	Omelette à la pomme de terre	Egg-based product (tortilla)	+Md	+p	/	/	+	+p	+/-	+	PA	4	c	

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

Matrix: Ground beef

Strain: *Escherichia coli* O157:H7 Ad933Aerobic mesophilic flora: 1,6 10<sup>3</sup> CFU/g

N° sample	Level	Inoculation level (CFU/sample)	Reference method: ISO 16654*					Number positive samples/Total	Alternative method: RAPID'E. coli O157:H7 16 h at 41.5°C			
			IMS 6h		IMS 24h		Final Result				Number positive samples/Total	
			CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157			Reading	Confirmation	Final result	
7672	0	0	st	st	st	st	-	0/5	st	/	-	0/5
7673			st	st	st	st	-		st	/	-	
7674			st	st	st	st	-		st	/	-	
7675			st	st	st	st	-		st	/	-	
7676			st	st	st	st	-		st	/	-	
7679	1	1,0	st	st	st	st	-	13/20	st	/	-	13/20
7680			+p	+p	/	/	+		+p	+	+	
7681			+p	+p	/	/	+		+M	+	+	
7682			+p	+p	/	/	+		+p	+	+	
7683			st	st	st	st	-		st	/	-	
7684			+p	+p	/	/	+		+p	+	+	
7685			st	st	st	st	-		st	/	-	
7686			+p	+p	/	/	+		+p	+	+	
7687			st	st	st	-	-		st	/	-	
7688			+p	+p	/	/	+		+p	+	+	
7689			+p	+p	/	/	+		+p	+	+	
7690			st	st	st	-	-		st	/	-	
7691			+p	+p	/	/	+		+p	+	+	
7692			+p	+p	/	/	+		+p	+	+	
7693			st	st	/	/	-		st	/	-	
7694			+p	+p	/	/	+		+p	+	+	
7695			-	-	-	-	-		+pd	-	-	
7696			+p	+p	/	/	+		+p	+	+	
7697			+p	+p	/	/	+		+p	+	+	
7698			+p	+p	/	/	+		+p	+	+	
7699	2	4,5	+p	+p	/	/	+	5/5	+M	+	+	5/5
7700			+p	+p	/	/	+		+M	+	+	
7701			+p	+p	/	/	+		+M	+	+	
7702			+p	+p	/	/	+		+p	+	+	
7703			+p	+p	/	/	+		+p	+	+	

\* Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7

Matrix: Raw milk

Strain: *Escherichia coli* O157:H7 R33-98Aerobic mesophilic flora: 6,1 10<sup>4</sup> CFU/g

N° sample	Level	Inoculation level (CFU/sample)	Reference method: ISO 16654*						Alternative method: RAPID'E. coli O157:H7			
			IMS 6h		IMS 24h		Final Result	Number positive samples/Total	16 h at 41,5°C			
			CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157			Reading	Confirmation	Final result	Number positive samples/Total
1924	0	/	-	-	+	-	-	0/6	-	/	-	0/6
1925			+d	-	-	-	-		-	/	-	
1926			+d	+1col	+	-	-		-	/	-	
1927			+d	+1col	-	-	-		+d (1)	-	-	
1928			-	+	-	-	-		-	/	-	
1929			-	+	+	-	-		+d(1)	-	-	
1930	1	0,3	+d	+	+	-	-	0/6	-	/	-	0/6
1931			-	-	+	-	-		-	/	-	
1932			-	+d	+	-	-		-	/	-	
1933			-	-	+	-	-		-	/	-	
1934			-	-	+	-	-		-	/	-	
1935			+d	-	+	-	-		-	/	-	
1936	2	0,6	+	-	-	-	-	3/6	-	/	-	4/6
1937			+	+	+	+	+		+d	+	+	
1938			+	-	-	-	+		+d	+	+	
1939			+d	-	-	-	-		+	+	+	
1940			+	-	+	+	+		+	+	+	
1941			-	-	+	-	-		+2col	-	-	
1942	3	1,2	+	-	+	-	-	5/6	-	/	-	3/6
1943			+d	+	+	+	+		+	+	+	
1944			+d	+d	+	+	+		-	/	-	
1945			-	-	+	+	+		+	+	+	
1946			-	-	+	+	+		+	+	+	
1947			-	-	+	+	+		-	/	-	
1948	4	3,1	-	-	+	+	+	6/6	+	+	+	6/6
1949			-	-	+	+	+		+	+	+	
1950			+d	-	+	+	+		+	+	+	
1951			-	-	+	+	+		+	+	+	
1952			-	-	+	+	+		+	+	+	
1953			-	-	+	+	+		+	+	+	

\* Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7

Matrix: Cider

Strain: *Escherichia coli* O157:H7 LS56

Aerobic mesophilic flora: &lt;20 CFU/g

N° sample	Level	Inoculation level (CFU/sample)	Reference method: ISO 16654*					Alternative method: RAPID'E. coli O157:H7 16H 41,5°C				
			IMS 6h		IMS 24h		Final Result	Number positive samples/Total	16H 41,5°C			
			CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157			Reading	Confirmation	Final result	Number positive samples/Total
2206	0	/	-	-	-	-	-	0/6	+	-	-	0/6
2207			-	-	-	-	-		+	-	-	
2208			-	-	-	-	-		+	-	-	
2209			-	-	-	-	-		+	-	-	
2210			-	-	-	-	-		+	-	-	
2211			-	-	-	-	-		-	/	-	
2212	1	0,3	-	-	-	-	-	3/6	+	-	-	5/6
2213			+	+	/	/	+		+	+	+	
2214			-	-	-	-	-		+	+	+	
2215			-	-	-	-	-		+	+	+	
2216			+	+	/	/	+		+	+	+	
2217			+	+	/	/	+		+	+	+	
2218	2	0,6	-	-	-	-	-	3/6	+	+	+	4/6
2219			-	-	-	-	-		+	+	+	
2220			+	+	/	/	+		+	-	-	
2221			+	+	/	/	+		+	-	-	
2222			-	-	-	-	-		+	+	+	
2223			+	+	/	/	+		+	+	+	
2224	3	1,2	+	+	/	/	+	3/6	+	+	+	6/6
2225			-	-	-	-	-		+	+	+	
2226			-	-	-	-	-		+	+	+	
2227			-	-	-	-	-		+	+	+	
2228			+	+	/	/	+		+	+	+	
2229			+	+	/	/	+		+	+	+	
2230	4	3	+	+	/	/	+	6/6	+	+	+	5/6
2231			+	-	+	+	+		+	+	+	
2232			+	+	/	/	+		+	+	+	
2233			+	+	/	/	+		+	+	+	
2234			+	+	/	/	+		+	-	-	
2235			+	+	/	/	+		+	+	+	

\* Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7

Matrix: Deli-Salad (Caesar salad)  
 Strain: *Escherichia coli* O157:H7 Ad2986

Aerobic mesophilic flora: 3,5 10<sup>7</sup> CFU/g

N° sample	Level	Inoculation level (cfu/sample)	Reference method: ISO 16654*					Alternative method: RAPID'E. coli O157:H7 16 h at 41.5°C				
			IMS 6h		IMS 24h		Final Result	Number positive samples/Total	16 h at 41.5°C			
			CT-SMAC	CHROMagar O157	CT-SMAC	CHROMagar O157			Reading	Confirmation	Final result	Number positive samples/Total
7939	0	0	-	-	-	-	-	0/5	-	/	-	0/5
7940			-	-	-	-	-		-	/	-	
7941			-	-	-	-	-		-	/	-	
7942			-	-	-	-	-		-	/	-	
7943			-	-	-	-	-		-	/	-	
8154	1	0,9	-	-	st	-	-	6/20	-	/	-	6/20
8155			+1/2	+m	/	/	+		+M	+	+	
8156			st	-	st	-	-		-	/	-	
8157			st	-	st	-	-		-	/	-	
8158			st	-	st	-	-		-	/	-	
8159			st	-	st	-	-		-	/	-	
8160			+M	+M	/	/	+		+p	+	+	
8161			st	-	st	-	-		-	/	-	
8162			st	-	st	-	-		-	/	-	
8163			st	-	st	-	-		-	/	-	
8164			st	-	st	-	-		-	/	-	
8165			st	-	st	-	-		-	/	-	
8166			st	-	st	-	-		-	/	-	
8167			+p	+1/2	/	/	+		+p	+	+	
8168			+M	+M	/	/	+		+p	+	+	
8169			+M	+M	/	/	+		+M	+	+	
8170			+M	+m	/	/	+		+M	+	+	
8171			-	-	st	-	-		-	/	-	
8172			st	-	st	-	-		-	/	-	
8173			st	-	st	-	-		-	/	-	
7948	2	2,3	+M	+1/2	/	/	+	5/5	+M	+	+	5/5
7949			+Md	+1/2	/	/	+		+M	+	+	
7950			+M	+m	/	/	+		+M	+	+	
7951			+M	+1/2	/	/	+		+M	+	+	
7952			+M	+m	/	/	+		+M	+	+	

\* Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7

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

No	Strain	Serotype	Reference	Origin	INCLUSIVITY STRAINS							
					RAPID' <i>E. coli</i> O157:H7							
					RAPID' <i>E. coli</i> O157:H7		Confirmation					
					Typical	Aspect	Oxoid	Wellcolex	Rim	Prolex	O157	
1	<i>Escherichia coli</i>	O157:H7	B177	Slaughterhouse environment	+	Dark blue	+	+	-	+	+	+
2	<i>Escherichia coli</i>	O157:H7	BV2	Slaughterhouse environment	+	Dark blue	+	+	-	+	+	+
3	<i>Escherichia coli</i>	O157:H7	BR3	Slaughterhouse environment	+	Dark blue	+	+	+	+	+	+
4	<i>Escherichia coli</i>	O157:H7	BD4	Slaughterhouse environment	+	Dark blue	+	+	+	+	+	+
5	<i>Escherichia coli</i>	O157:H7	ENV177	STEP <sup>2</sup>	+	Dark blue	+	+	+	+	+	+
6	<i>Escherichia coli</i>	O157:H7	ET8	STEP	+	Dark blue	+	+	+	+	+	+
7	<i>Escherichia coli</i>	O157:H7	EK9	STEP	+	Dark blue	+	+	+	+	+	+
8	<i>Escherichia coli</i>	O157:H7	435	Ground beef	+	Dark blue	+	+	+	+	+	+
9	<i>Escherichia coli</i>	O157:H7	670T	Ground beef	+	Dark blue	+	+	+	+	+	+
10	<i>Escherichia coli</i>	O157:H7	730T	Ground beef	+	Dark blue	+	+	+	+	+	+
11	<i>Escherichia coli</i>	O157:H7	226T	Ground beef	+	Dark blue	+	+	+	+	+	+
12	<i>Escherichia coli</i>	O157:H7	42197-1	Ground beef	+	Dark blue	+	+	+	+	+	+
13	<i>Escherichia coli</i>	O157:H7	A3612	Ground beef	+	Dark blue	+	+ weak	+ weak	+	+	+
14	<i>Escherichia coli</i>	O157:H7	A4513	Ground beef	+	Dark blue	+	+	+	+	+	+
15	<i>Escherichia coli</i>	O157:H7	A1075	Ground beef	+	Dark blue	+	+	-	+	+	+
16	<i>Escherichia coli</i>	O157:H7	B68	Slaughterhouse environment	+	Dark blue	+	+	+	+	+	+
17	<i>Escherichia coli</i>	O157:H7	AT40	Slaughterhouse environment	+	Dark blue	+	+	+	+	+	+
18	<i>Escherichia coli</i>	O157:H7	AV36	Slaughterhouse environment	+	Dark blue	+	+	+	+	+	+
19	<i>Escherichia coli</i>	O157:H7	AR15	Slaughterhouse environment	+	Dark blue	+	+	+	+	-	+
20	<i>Escherichia coli</i>	O157:H7	LS3	Feces	+	Dark blue	+	+	+	+	+	+
21	<i>Escherichia coli</i>	O157:H7	AMVT6	Feces	+	Dark blue	+	+ weak	+ weak	+	+	+

<sup>2</sup> STEP: sewage treatment plant

No	Strain	Serotype	Reference	Origin	INCLUSIVITY STRAINS							
					RAPID'E. coli O157:H7				Confirmation			
					Typical	Aspect	Oxoid	Wellcolex	Rim	Prolex	O157	O157
							O157	H7	O157	H7		
22	<i>Escherichia coli</i>	O157:H7	ATKP8	Feces	+	Dark blue	+	+	+	+	+	+
23	<i>Escherichia coli</i>	O157:H7	AZRS15	Feces	+	Dark blue	+	-	+	+	+	+ weak
24	<i>Escherichia coli</i>	O157:H7	R33-9	Bovine feces	+	Dark blue	+	+	+	+	+	+
25	<i>Escherichia coli</i>	O157:H7	AZ15-6	Bovine feces	+	Dark blue	+	+	+	+	+	+ weak
26	<i>Escherichia coli</i>	O157:H7	AQ29-4	Bovine feces	+	Dark blue	+	+	+	+	+	+
27	<i>Escherichia coli</i>	O157:H7	AA18-3	Bovine feces	+	Dark blue	+	+	+	+	+	+
28	<i>Escherichia coli</i>	O157:H7	LS56	Feces	+	Dark blue	+	+	+ weak	+	+	+
29	<i>Escherichia coli</i>	O157:H7	A425TK	Feces	+	Dark blue	+	+	+	+	+	+
30	<i>Escherichia coli</i>	O157:H7	A206RP	Feces	+	Dark blue	+	+	+	+	+	+
31	<i>Escherichia coli</i>	O157:H7	A778EF	Feces	+	Dark blue	+	+	+	+	+	+
32	<i>Escherichia coli</i>	O157:H7	MK41242	Ground beef	+	Dark blue	+	+	+ weak	+	+	+
33	<i>Escherichia coli</i>	O157:H7	AMK2608	Ground beef	+	Dark blue	+	+	+	+	+	+
34	<i>Escherichia coli</i>	O157:H7	AMK1506	Ground beef	+	Dark blue	+	+	+	+	+	+
35	<i>Escherichia coli</i>	O157:H7	AMK1311	Ground beef	+	Dark blue	+	+	+	+	+	+
36	<i>Escherichia coli</i>	O157:H7	37006ID	Ground beef	+	Dark blue	+	+	+	+	+	+
37	<i>Escherichia coli</i>	O157:H7	A1518ID	Ground beef	+	Dark blue	+	+	+	+	+ weak	+
38	<i>Escherichia coli</i>	O157:H7	A1512ID	Ground beef	+	Dark blue	+	+	+	+	+	+
39	<i>Escherichia coli</i>	O157:H7	A1814ID	Ground beef	+	Dark blue	+	+	+	+	+	+
40	<i>Escherichia coli</i>	O157:H7	A1989ID	Ground beef	+	Dark blue	+	+	+	+	+	+
41	<i>Escherichia coli</i>	O157:H7	EF190	Feces	+	Dark blue	+	+	-	+	+	+
42	<i>Escherichia coli</i>	O157:H7	EF187	Feces	+	Dark blue	+	+	+	+	+	+
43	<i>Escherichia coli</i>	O157:H7	CIP103571 (ATCC 35150)	Clinical	+	Dark blue	+	+	+	+	+	+
44	<i>Escherichia coli</i>	O157:H7	ATCC 43888	Unknown	+	Dark blue	+	+	+	+	+	+
45	<i>Escherichia coli</i>	O157:H7	Ad485	Ground beef	+	Dark blue	+	+	+ weak	+	-	+
46	<i>Escherichia coli</i>	O157:H7	Ad486	Ground beef	+	Dark blue	+	+	-	+	+ late	+
47	<i>Escherichia coli</i>	O157:H7	Ad487	Ground beef	+	Dark blue	+	+	+ weak	+	-	+
48	<i>Escherichia coli</i>	O157:H7	Ad488	Ground beef	+	Dark blue	+	+	auto +	+	-	+
49	<i>Escherichia coli</i>	O157:H7	Ad489	Ground beef	+	Dark blue	+	+	+ weak	+	-	+
50	<i>Escherichia coli</i>	O157:H7	ATCC 700728	Unknown	+	Dark blue	+	+	+	+	+	+

EXCLUSIVITY STRAINS							
No	Strain	Serotype	Reference	Origin	RAPID'E. coli O157:H7		
					RAPID'E. coli O157:H7	Agglutination	
					Typical	Aspect	
1	<i>Escherichia coli</i>	O92:H33	JM221	Clinic	+	Dark blue	-
2	<i>Escherichia coli</i>	O3:H2	38765	Clinic	-	Green blue	/
3	<i>Escherichia coli</i>	O78:H11	H10407	Clinic	-	Green blue	/
4	<i>Escherichia coli</i>	O6:H6	EDL1493	Clinic	-	Gray green	/
5	<i>Escherichia coli</i>	O6:H10	ECOR10	Clinic	-	Blue translucent edge	/
6	<i>Escherichia coli</i>	O111:H21	DEC6a	Clinic	Growth -		/
7	<i>Escherichia coli</i>	O86:H43	ECOR23	Elephant	-	Dark blue, blue halo	/
8	<i>Escherichia coli</i>	O26:H11	DEC9a	Clinic	Growth -		/
9	<i>Escherichia coli</i>	O111:H8	DEC8b	Clinic	-	Green blue	/
10	<i>Escherichia coli</i>	O128:H2	DEC11a	Clinic	-	Green blue	/
11	<i>Escherichia coli</i>	O111:H2	DEC12a	Clinic	Growth -		/
12	<i>Escherichia coli</i>	O128:H7	DEC13a	Clinic	-	Grey blue, green halo	/
13	<i>Escherichia coli</i>	O78:H12	TX-1	Clinic	-	Green blue	/
14	<i>Escherichia coli</i>	O104:H21	ECOR26	Clinic	-	Green blue, green blue halo	/
15	<i>Escherichia coli</i>	O157:H43	DEC7a	Pork	Growth -		/
16	<i>Escherichia coli</i>	O55:H7	DEC5d	Clinic	-	Green blue, blue halo	/
17	<i>Escherichia coli</i>	O44:H18	42	Clinic	-	Grey green	/
18	<i>Escherichia coli</i>	O127:H6	E2348/69	Clinic	-	Dark blue, blue halo	/
19	<i>Escherichia coli</i>	O55:H6	DEC1a	Clinic	+	Dark blue	-
20	<i>Escherichia coli</i>	O18:K1:H7	RS218	Clinic	-	Green blue, blue green halo	/
21	<i>Salmonella</i>	Landau	Ad499	Food product	-	White, yellow agar	/
22	<i>Salmonella</i>	Sternhauze	Ad500	Food product	-	White, yellow agar	/
23	<i>Salmonella</i>	Urbana	Ad501	Food product	-	White, yellow agar	/
24	<i>Salmonella</i>	Wayne	Ad502	Food product	-	White, yellow agar	/
25	<i>Hafnia alvei</i>		88	Pastries	-	Blue plate, translucent edge	/
26	<i>Hafnia alvei</i>		167	Sausage	-	Red center grey	/
27	<i>Citrobacter freundii</i>		25	Frozen spinaches	-	Green blue	/
28	<i>Citrobacter freundii</i>		104	Ground beef	-	Blue grey	/
29	<i>Escherichia vulneris</i>		127	Raw milk	-	Turquoise green with halo	/
30	<i>Escherichia vulneris</i>		134	Pork liver	-	White, yellow agar	/
31	<i>Escherichia coli</i>	O157	Ad524	Dairy environment	-	Turquoise green with halo	/

EXCLUSIVITY STRAINS							
No	Strain	Serotype	Reference	Origin	RAPID' <i>E. coli</i> O157:H7		
					RAPID' <i>E. coli</i> O157:H7		Agglutination
					Typical	Aspect	Oxoid test
32	<i>Escherichia coli</i>	O157	Ad525	Primary production (bovine feces)	-	Turquoise green with halo	/
33	<i>Escherichia coli</i>	O157	Ad526	Primary production (bovine feces)	-	Turquoise green with halo	/
34	<i>Escherichia coli</i>	O157	Ad527	Clinic	-	Turquoise green with halo	/
35	<i>Escherichia coli</i>	O157:H-	01.12.903	Unknown	-	Green grey	/
36	<i>Escherichia coli</i>	O157:H-	01.12.905	Unknown	-	Green grey	/

**Appendix 7 – Inter-laboratory study: results obtained by the collaborative laboratories and the expert laboratory**

Laboratory A

Aerobic mesophilic flora:  $1,9 \cdot 10^3$  CFU/mL

N° Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7								Agreement		
	Typical colonies			Confirmations					Final result	Typical colonies			Confirmations						
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Wellcolex	Rim	Wellcolex	Rim		
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim						
A1	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A5	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A8	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A9	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A13	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A14	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A16	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A19	-	-	/	/		/		-	-	/		/		-	-	-	-	NA	
A2	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A6	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A7	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A11	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A15	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A18	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A20	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A22	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A3	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A4	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A10	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A12	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A17	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A21	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A23	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	
A24	+	+	+	+		+		+	+	+		+		+	+	+	+	PA	

Laboratory B  
Aerobic mesophilic flora:  $8,0 \cdot 10^2$  CFU/mL

N° Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement
	Typical colonies			Confirmations				Final result	Typical colonies		Confirmations				Final result
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7			RAPID'E. coli O157:H7	Latex O157		Latex H7			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim		
B1	-	-	/	/		/		-	-	/		/		-	NA
B5	-	-	/	/		/		-	-	/		/		-	NA
B8	-	-	/	/		/		-	-	/		/		-	NA
B9	-	-	/	/		/		-	-	/		/		-	NA
B13	-	-	/	/		/		-	-	/		/		-	NA
B14	-	-	/	/		/		-	-	/		/		-	NA
B16	+	+	+	+		+		+	+	+		+		+	PA
B19	-	-	/	/		/		-	-	/		/		-	NA
B2	+	+	+	+		+		+	+	+		+		+	PA
B6	+	+	+	+		+		+	+	+		+		+	PA
B7	+	+	+	+		+		+	+	+		+		+	PA
B11	+	+	+	+		+		+	+	+		+		+	PA
B15	+	+	+	+		+		+	+	+		+		+	PA
B18	+	+	+	+		+		+	+	+		+		+	PA
B20	+	+	+	+		+		+	+	+		+		+	PA
B22	+	+	+	+		+		+	+	+		+		+	PA
B3	+	+	+	+		+		+	+	+		+		+	PA
B4	+	+	+	+		+		+	+	+		+		+	PA
B10	+	+	+	+		+		+	+	+		+		+	PA
B12	+	+	+	+		+		+	+	+		+		+	PA
B17	+	+	+	+		+		+	+	+		+		+	PA
B21	+	+	+	+		+		+	+	+		+		+	PA
B23	+	+	+	+		+		+	+	+		+		+	PA
B24	+	+	+	+		+		+	+	+		+		+	PA

Laboratory C  
Aerobic mesophilic flora:> 3,0.10<sup>7</sup> CFU/mL

N° Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7								Agreement		
	Typical colonies			Confirmations					Final result	Typical colonies		Confirmations				Final result			
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Wellcolex	Rim	Wellcolex	Rim		
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim						
C1	-	-	/	/		/		-	-	/		/		-	-	-	NA		
C5	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C8	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C9	+	+	+	+		+		+	+	+		+		+	+	+	PA		
C13	-	-	/	/		/		-	-	/		/		-	-	-	NA		
C14	-	-	/	/		/		-	-	/		/		-	-	-	NA		
C16	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C19	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C2	+	+	+	+		+		+	+	+		+		+	+	+	PA		
C6	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C7	+	+	+	+		+		+	+	+		+		+	+	+	PA		
C11	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C15	+	+	+	+		+		+	+	+		+		+	+	+	PA		
C18	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C20	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C22	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C3	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C4	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C10	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C12	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C17	+	+	+	+		+		+	+	+		+		+	+	+	PA		
C21	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C23	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		
C24	+	+	+	+		(+)		+	+	+		(+)		+	+	+	PA		

(+)slow reaction

## Laboratory D

Aerobic mesophilic flora: Inconsistent results :and 1200 (-3);13 and 3 (-4) CFU/mL

N° Sample	Reference method: ISO 16654									Alternative method: RAPID'E. coli O157:H7							Agreement	
	Typical colonies		Indol test	Confirmations				Final result	Typical colonies		Confirmations				Final result			
	CT SMAC	CHROMagar O157		Latex O157		Latex H7			RAPID'E.coli O157:H7	Latex O157		Latex H7						
D1	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D5	+(1 col)	-	/	+	+	+	+	+	-	/	/	/	/	/	-	ND		
D8	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D9	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D13	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D14	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D16	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D19	-	-	/	/	/	/	/	-	-	/	/	/	/	/	-	NA		
D2	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D6	+	+	+	+	+	+	+	+	+	+	+	+	-	-	+	PA		
D7	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D11	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D15	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D18	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	PA		
D20	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D22	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D3	+	+	+	+	+	+	+	+	+	+	+	+	-	-	+	PA		
D4	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D10	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D12	+	+	+	+	+	+	-	+	+	+	+	+	-	-	+	PA		
D17	+	+	+	+	+	-	-	+	+	+	+	+	-	+	+	PA		
D21	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D23	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		
D24	+	+	+	+	+	-	-	+	+	+	+	+	-	-	+	PA		

Laboratory E  
Aerobic mesophilic flora:  $5.2 \cdot 10^5$  cfu/mL

N° Sample	Reference method: ISO 16654										Alternative method: RAPID'E. coli O157:H7								Agreement		
	Typical colonies			Confirmations						Final result	Typical colonies		Confirmations								
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7					Wellcolex	Rim	Wellcolex	Rim	Wellcolex	Rim	Wellcolex	Rim			
				Latex O157	Latex H7	Wellcolex	Rim	Wellcolex	Rim												
E1	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E5	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E8	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E9	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E13	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E14	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E16	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E19	-	-	/	/	/	/	/	/	/	-	-	/	/	/	/	/	/	-	NA		
E2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E10*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E12	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
E24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		

E10:broken flask

Laboratory F  
Aerobic mesophilic flora: 8,8.10<sup>4</sup> CFU/mL

N°Sample	Reference method: ISO 16654										Alternative method: RAPID'E. coli O157:H7								Agreement					
	Typical colonies			Confirmations						Final result	Typical colonies		Confirmations				Final result							
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7					RAPID'E.coli O157:H7	Latex O157		Latex H7										
				Wellcolex	Rim	Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim											
F1	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F5	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F8	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F9	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F13	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F14	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F16	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F19	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-		NA						
F2	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F6	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F7	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F11	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F15	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F18	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F20	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F22	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F3	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F4	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F10	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F12	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F17	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F21	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F23	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						
F24	+	+	+	+	+	-	-	+	+		+	+	+	-	-	+		PA						

Laboratory G  
Aerobic mesophilic flora: 6,7.10<sup>3</sup> CFU/mL

N° Sample	Reference method: ISO 16654										Alternative method: RAPID'E. coli O157:H7								Agreement	
	Typical colonies		Confirmations								Final result	Typical colonies		Confirmations				Final result		
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7						RAPID'E.coli O157:H7	Latex O157		Latex H7					
				Wellcolex	Rim	Wellcolex	Rim	Wellcolex	Rim	Wellcolex			Rim							
G1	+	+	+	+	+	-	-	-	-	+	+	+	+	-	-	-	+	PD		
G5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G8	+	+	+	+	+	-	-	+	+	+	+	+	+	-	-	-	+	PA		
G9	-	-	-	/	/	/	/	-	-	-	-	-	/	/	/	/	-	NA		
G13	-	-	-	/	/	/	/	-	-	-	-	-	/	/	/	/	-	NA		
G14	-	-	-	/	/	/	/	-	-	-	-	-	/	/	/	/	-	NA		
G16	-	-	-	/	/	/	/	-	-	-	-	-	/	/	/	/	-	NA		
G19	-	-	-	/	/	/	/	-	-	-	-	-	/	/	/	/	-	NA		
G2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G6	+	+	+	+	+	(+)	+	+	+	+	+	+	+	+	+	+	+	PA		
G7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G11	+	+	+	+	+	(+)	(+)	+	+	+	+	+	+	+	+	+	+	PA		
G15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G20	+	+	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	PA		
G22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G12	+	+	+	+	+	(+)	+	+	+	+	+	+	+	+	+	+	+	PA		
G17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
G24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		

(+) weak reaction

Laboratory H

Aerobic mesophilic flora: 3,4.10<sup>5</sup> CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
H1	-	-	/	/		/		-	-	/		/		-	NA		
H5	-	-	/	/		/		-	-	/		/		-	NA		
H8	-	-	/	/		/		-	-	/		/		-	NA		
H9	-	-	/	/		/		-	-	/		/		-	NA		
H13	+	-	+	+		+		+	-	/		/		-	ND		
H14	-	-	/	/		/		-	-	/		/		-	NA		
H16	+	-	+	+		+/-		+	-	/		/		-	ND		
H19	+	+	+	+		+/-		+	+	+		+		-	PA		
H2	+	+	+	+		+		+	+	+		+		+	PA		
H6	+	+	+	+		+		+	+	+		+		+	PA		
H7	+	+	+	+		+		+	+	+		+		+	PA		
H11	+	+	+	+		+		+	+	+		+		+/-	PA		
H15	+	+	+	+		+/-		+	+	+		+		+	PA		
H18	+	+	+	+		+		+	+	+		+		+	PA		
H20	+	+	+	+		-		+	+	+		+		-	PA		
H22	+	+	+	+		+		+	+	+		+		+/-	PA		
H3	+	+	+	+		+/-		+	+	+		+		+	PA		
H4	+	+	+	+		+/-		+	+	+		+		+	PA		
H10	+	+	+	+		-		+	+	+		+		-	PA		
H12	+	+	+	+		+		+	+	+		+		+	PA		
H17	+	+	+	+		+/-		+	+	+		+		+/-	PA		
H21	+	+	+	+		+/-		+	+	+		+		+/-	PA		
H23	+	+	+	+		-		+	+	+		+		-	PA		
H24	+	+	+	+		+/-		+	+	+		+		+/-	PA		

Laboratory

Aerobic mesophilic flora:  $2,6 \cdot 10^6$  CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
I1	-	-	/	/		/		-	-	/		/		-	NA		
I5	-	-	/	/		/		-	-	/		/		-	NA		
I8	-	-	/	/		/		-	-	/		/		-	NA		
I9	-	-	/	/		/		-	-	/		/		-	NA		
I13*	/	/	/	/		/		/	/	/		/		/	/		
I14	-	-	/	/		/		-	-	/		/		-	NA		
I16	-	-	/	/		/		-	-	/		/		-	NA		
I19	-	-	/	/		/		-	-	/		/		-	NA		
I2	+	+	+	+		+		+	+	+		+		+	PA		
I6	+	+	+	+		+		+	+	+		+		+	PA		
I7	+	+	+	+		+		+	+	+		+		+	PA		
I11	+	+	+	+		+		+	+	+		+		+	PA		
I15	+	+	+	+		+		+	+	+		+		+	PA		
I18	+	+	+	+		+		+	+	+		+		+	PA		
I20	+	+	+	+		+		+	+	+		+		+	PA		
I22	+	+	+	+		+		+	+	+		+		+	PA		
I3	+	+	+	+		+		+	+	+		+		+	PA		
I4	+	+	+	+		+		+	+	+		+		+	PA		
I10	+	+	+	+		+		+	+	+		+		+	PA		
I12	+	+	+	+		+		+	+	+		+		+	PA		
I17	+	+	+	+		+		+	+	+		+		+	PA		
I21	+	+	+	+		+		+	+	+		+		+	PA		
I23	+	+	+	+		+		+	+	+		+		+	PA		
I24	+	+	+	+		+		+	+	+		+		+	PA		

\*I13:sample not tested; flask broken at receipt

Laboratory J

Aerobic mesophilic flora: 2,0.10<sup>5</sup> CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
J1	-	-	/	/		/		-	-	/		/		-	NA		
J5	-	-	/	/		/		-	-	/		/		-	NA		
J8	-	-	/	/		/		-	-	/		/		-	NA		
J9	-	-	/	/		/		-	-	/		/		-	NA		
J13	-	-	/	/		/		-	-	/		/		-	NA		
J14	-	-	/	/		/		-	-	/		/		-	NA		
J16	-	-	/	/		/		-	-	/		/		-	NA		
J19	-	-	/	/		/		-	-	/		/		-	NA		
J2	+	+	+	+		+		+	+	+		+		+	PA		
J6	+	+	+	+		+		+	+	+		+		+	PA		
J7	+	+	+	+		+		+	+	+		+		+	PA		
J11	+	+	+	+		+		+	+	+		+		+	PA		
J15	+	+	+	+		+		+	+	+		+		+	PA		
J18	+	+	+	+		+		+	+	+		+		+	PA		
J20	+	+	+	+		+		+	+	+		+		+	PA		
J22	+	+	+	+		+		+	+	+		+		+	PA		
J3	+	+	+	+		+		+	+	+		+		+	PA		
J4	+	+	+	+		+		+	+	+		+		+	PA		
J10	+	+	+	+		+		+	+	+		+		+	PA		
J12	+	+	+	+		+		+	+	+		+		+	PA		
J17	+	+	+	+		+		+	+	+		+		+	PA		
J21	+	+	+	+		+		+	+	+		+		+	PA		
J23	+	+	+	+		+		+	+	+		+		+	PA		
J24	+	+	+	+		+		+	+	+		+		+	PA		

Laboratory L  
 Aerobic mesophilic flora: 8,6.10<sup>5</sup> CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
L1	-	-	/	/		/		-	-	/		/		-	NA		
L5	-	-	/	/		/		-	-	/		/		-	NA		
L8	-	-	/	/		/		-	-	/		/		-	NA		
L9	-	-	/	/		/		-	-	/		/		-	NA		
L13	-	-	/	/		/		-	-	/		/		-	NA		
L14	-	-	/	/		/		-	-	/		/		-	NA		
L16	-	-	/	/		/		-	-	/		/		-	NA		
L19	-	-	/	/		/		-	-	/		/		-	NA		
L2	+	+	+	+		+		+	+	+		+		+	PA		
L6	+	+	+	+		+		+	+	+		+		+	PA		
L7	+	+	+	+		+		+	+	+		+		+	PA		
L11	+	+	+	+		+		+	+	+		+		+	PA		
L15	+	+	+	+		+		+	+	+		+		+	PA		
L18	+	+	+	+		+		+	+	+		+		+	PA		
L20	+	+	+	+		+		+	+	+		+		+	PA		
L22	+	+	+	+		+		+	+	+		+		+	PA		
L3	+	+	+	+		+		+	+	+		+		+	PA		
L4	+	+	+	+		+		+	+	+		+		+	PA		
L10	+	+	+	+		+		+	+	+		+		+	PA		
L12	+	+	+	+		+		+	+	+		+		+	PA		
L17	+	+	+	+		+		+	+	+		+		+	PA		
L21	+	+	+	+		+		+	+	+		+		+	PA		
L23	+	+	+	+		+		+	+	+		+		+	PA		
L24	+	+	+	+		+		+	+	+		+		+	PA		

Laboratory M  
Aerobic mesophilic flora:  $2,1 \cdot 10^3$  CFU/mL

N° Sample	Reference method: ISO 16654										Alternative method: RAPID'E. coli O157:H7								Agreement			
	Typical colonies			Confirmations						Final result	Typical colonies		Confirmations									
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7					RAPID'E.coli O157:H7	Latex O157		Latex H7								
				Wellcolex	Rim	Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim									
M1	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M5	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M8	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M9	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M13	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M14	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M16	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M19	-	-	/	/	/	/	/	-	-		/	/	/	/	/	-	-	NA				
M2	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M6	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M7	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M11	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M15	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M18	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M20	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M22	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M3	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M4	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M10	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M12	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M17	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M21	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M23	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				
M24	+	+	+	+	+	-	+	+	+	+	+	+	-	+	+	+	+	PA				

Laboratory N  
Aerobic mesophilic flora: 4,1.10<sup>2</sup> CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
N1	-	-	/	/		/		-	-	/		/		-	NA		
N5	-	-	/	/		/		-	-	/		/		-	NA		
N8	-	-	/	/		/		-	-	/		/		-	NA		
N9	-	-	/	/		/		-	-	/		/		-	NA		
N13	-	-	/	/		/		-	-	/		/		-	NA		
N14	-	-	/	/		/		-	-	/		/		-	NA		
N16	-	-	/	/		/		-	-	/		/		-	NA		
N19	-	-	/	/		/		-	-	/		/		-	NA		
N2	+	+	+	+		-		+	+	+		+		+	PA		
N6	+	+	+	+		-		+	+	+		+		-	PA		
N7	+	+	+	+		-		+	+	+		+		+	PA		
N11	+	+	+	+		-		+	+	+		+		-	PA		
N15	+	+	+	+		-		+	+	+		+		-	PA		
N18	+	+	+	+		-		+	+	+		+		-	PA		
N20	+	+	+	+		-		+	+	+		+		-	PA		
N22	+	+	+	+		-		+	+	+		+		-	PA		
N3	+	+	+	+		-		+	+	+		+		-	PA		
N4	+	+	+	+		-		+	+	+		+		-	PA		
N10	+	+	+	+		+		+	+	+		+		-	PA		
N12	+	+	+	+		-		+	+	+		+		-	PA		
N17	+	+	+	+		-		+	+	+		+		-	PA		
N21	+	+	+	+		-		+	+	+		+		-	PA		
N23	+	+	+	+		-		+	+	+		+		-	PA		
N24	+	+	+	+		+		+	+	+		+		-	PA		

Laboratory P  
Aerobic mesophilic flora:  $8,1 \cdot 10^3$  CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies			Confirmations					Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
P1	-	-	/	/		/		-	-	/		/		-	NA		
P5	+	+	+	+		+		+	+	+		+		+	PA		
P8	+	+	+	+		+		+	+	+		+		+	PA		
P9	+	+	+	+		+		+	+	+		+		+	PA		
P13	+	+	+	+		+		+	+	+		+		+	PA		
P14	-	-	/	/		/		-	-	/		/		-	NA		
P16	+	+	+	+		+		+	+	+		+		+	PA		
P19	+	+	+	+		+		+	+	+		+		+	PA		
P2	+	+	+	+		+		+	+	+		+		+	PA		
P6	+	+	+	+		+		+	+	+		+		+	PA		
P7	+	+	+	+		+		+	+	+		+		+	PA		
P11	+	+	+	+		+		+	+	+		+		+	PA		
P15	+	+	+	+		+		+	+	+		+		+	PA		
P18	+	+	+	+		+		+	+	+		+		+	PA		
P20	+	+	+	+		+		+	+	+		+		+	PA		
P22	+	+	+	+		+		+	+	+		+		+	PA		
P3	+	+	+	+		+		+	+	+		+		+	PA		
P4	+	+	+	+		+		+	+	+		+		+	PA		
P10	+	+	+	+		+		+	+	+		+		+	PA		
P12	+	+	+	+		+		+	+	+		+		+	PA		
P17	+	+	+	+		+		+	+	+		+		+	PA		
P21	+	+	+	+		+		+	+	+		+		+	PA		
P23	+	+	+	+		+		+	+	+		+		+	PA		
P24	+	+	+	+		+		+	+	+		+		+	PA		

Laboratory Q

Aerobic mesophilic flora:  $3,0 \cdot 10^4$  CFU/mL

N° Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
Q1	-	-	/	/		/		-	-	/		/		-	NA		
Q5	-	-	/	/		/		-	-	/		/		-	NA		
Q8	-	-	/	/		/		-	-	/		/		-	NA		
Q9	-	-	/	/		/		-	-	/		/		-	NA		
Q13	-	-	/	/		/		-	-	/		/		-	NA		
Q14	-	-	/	/		/		-	-	/		/		-	NA		
Q16	-	-	/	/		/		-	-	/		/		-	NA		
Q19	-	-	/	/		/		-	-	/		/		-	NA		
Q2	+	+	+	+		+		+	+	+		+		+	PA		
Q6	+	+	+	+		+		+	+	+		+		+	PA		
Q7	+	+	+	+		+		+	+	+		+		+	PA		
Q11	+	+	+	+		+		+	+	+		+		+	PA		
Q15	+	+	+	+		+		+	+	+		+		+	PA		
Q18	+	+	+	+		+		+	+	+		+		+	PA		
Q20	+	+	+	+		+		+	+	+		+		+	PA		
Q22	+	+	+	+		+		+	+	+		+		+	PA		
Q3	+	+	+	+		+		+	+	+		+		+	PA		
Q4	+	+	+	+		+		+	+	+		+		+	PA		
Q10	+	+	+	+		+		+	+	+		+		+	PA		
Q12	+	+	+	+		+		+	+	+		+		+	PA		
Q17	+	+	+	+		+		+	+	+		+		+	PA		
Q21	+	+	+	+		+		+	+	+		+		+	PA		
Q23	+	+	+	+		+		+	+	+		+		+	PA		
Q24	+	+	+	+		+		+	+	+		+		+	PA		

Laboratory R  
 Aerobic mesophilic flora: 1,0.10<sup>5</sup> CFU/mL

N° Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies			Confirmations					Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
R1	-	-	/	/		/		-	-	/		/		-	NA		
R5	+	+	+	+	-	-	-	-	-	/		/		-	NA		
R8	-	-	/	/		/		-	-	/		/		-	NA		
R9	-	-	/	/		/		-	-	/		/		-	NA		
R13	+	+	+	+	-	-	-	-	-	/		/		-	NA		
R14	+	+	+	+	-	-	-	+	+	+		-	-	+	PD		
R16	+	+	+	+	-	-	-	+	+	+		-	-	+	PD		
R19	+	+	+	+	-	-	-	+	+	+		-	-	+	PD		
R2	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R6	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R7	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R11	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R15	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R18	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R20	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R22	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R3	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R4	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R10	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R12	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R17	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R21	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R23	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		
R24	+	+	+	+	-	-	+	+	+	+		-	-	+	PA		

Laboratory T  
Aerobic mesophilic flora:<1 CFU/mL

N°Sample	Reference method: ISO 16654								Alternative method: RAPID'E. coli O157:H7						Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations					
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Final result			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim				
T1	-	-	/	/		/		-	-	/		/		-	NA		
T5	-	-	/	/		/		-	-	/		/		-	NA		
T8	-	-	/	/		/		-	-	/		/		-	NA		
T9	-	-	/	/		/		-	-	/		/		-	NA		
T13	-	-	/	/		/		-	-	/		/		-	NA		
T14	-	-	/	/		/		-	-	/		/		-	NA		
T16	-	-	/	/		/		-	-	/		/		-	NA		
T19	-	-	/	/		/		-	-	/		/		-	NA		
T2	+	+	+	+		-		+	+	+		-		+	PA		
T6	+	+	+	+		-		+	+	+		-		+	PA		
T7	+	+	+	+		-		+	+	+		-		+	PA		
T11	+	+	+	+		-		+	+	+		-		+	PA		
T15	+	+	+	+		-		+	+	+		-		+	PA		
T18	+	+	+	+		-		+	+	+		-		+	PA		
T20	+	+	+	+		-		+	+	+		-		+	PA		
T22	+	+	+	+		-		+	+	+		-		+	PA		
T3	+	+	+	+		-		+	+	+		-		+	PA		
T4	+	+	+	+		-		+	+	+		-		+	PA		
T10	+	+	+	+		-		+	+	+		-		+	PA		
T12	+	+	+	+		-		+	+	+		-		+	PA		
T17	+	+	+	+		-		+	+	+		-		+	PA		
T21	+	+	+	+		-		+	+	+		-		+	PA		
T23	+	+	+	+		-		+	+	+		-		+	PA		
T24	+	+	+	+		-		+	+	+		-		+	PA		

Laboratory U  
Aerobic mesophilic flora: 4,3.10<sup>3</sup> CFU/mL

N° Sample	Reference method: ISO 16654										Alternative method: RAPID'E. coli O157:H7								Agreement
	Typical colonies		Confirmations								Final result	Typical colonies		Confirmations				Final result	
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		Wellcolex	Rim	Wellcolex	Rim		RAPID'E.coli O157:H7	Latex O157		Latex H7			
				Wellcolex	Rim	Wellcolex	Rim							Wellcolex	Rim	Wellcolex	Rim		
U1	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U5	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U8	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U9	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U13	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U14	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U16	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U19	-	-	/	/	/	/	/					-	-	/	/	/	/	-	NA
U2	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U6	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U7	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U11	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U15	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U18	+	+	+	+	+	-	-					+	+	+	+	-	-	?	PA
U20	+	+	+	+	+	-	-					+	+	+	+	-	-	?	PA
U22	+	+	+	+	+	+	+					+	+	+	+	-	+	+	PA
U3	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U4	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U10	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U12	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U17	+	+	+	+	+	-	-					+	+	+	+	-	-	+	PA
U21	+	+	+	+	+	-	+(chrom)					+	+	+	+	+	+	+	PA
U23	+	+	+	+	+	+(smac)	-?					+	+	+	+	+	+	+	PA
U24	+	+	+	+	+	+	+(sma)	-?				+	+	+	+	-	-	+	PA

Laboratory V (ADRIA)  
Aerobic mesophilic flora:  $7,1 \cdot 10^4$  CFU/mL

N°Sample	Reference method: ISO 16654*									Alternative method: RAPID'E. coli O157:H7								Agreement		
	Typical colonies		Confirmations						Final result	Typical colonies		Confirmations						Final result		
	CT SMAC	CHROMagar O157	Indol test	Latex O157		Latex H7		RAPID'E.coli O157:H7		Latex O157		Latex H7		Wellcolex	Rim	Wellcolex	Rim			
				Wellcolex	Rim	Wellcolex	Rim			Wellcolex	Rim	Wellcolex	Rim							
V1	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V5	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V8	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V9	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V13	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V14	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V16	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V19	-	-	/	/	/	/	/	-	-	/	/	/	/	-	-	-	-	NA		
V2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
V6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	PA		
V7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
V11	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+/-	PA		
V15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	PA		
V18	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+/-	PA		
V20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+/-	PA		
V22	+	+	+	+	+	+	+/-	+	+	+	+	+	+	+	+	+	+	PA		
V3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	PA		
V4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	PA		
V10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	PA		
V12	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	PA		
V17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+/-	+	PA		
V21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	PA		
V23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	PA		
V24	+	+	+	+	+	+	+	+/-	+	+	+	+	+	+	+	+	+	PA		

\* Analyses performed according to the COFRAC accreditation

ADRIA

Summary report (Version 0)

RAPID'E. coli O157:H7