

MicroVal Study 2017LR75: Confirmation Method

Validation study of the MALDI Biotyper® Complete Solution as an Alternative Method for the Confirmation of *Listeria* spp.

MCS ILS, Version 2
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The report was prepared in accordance with ISO 16140-6:2019 and the most recent version of the MicroVal Technical Committee for interpretation on ISO 16140-6, version 2.0.

Company: Bruker Daltonics

Expert Laboratory: ADRIA Development (FR) and Q Laboroatories (OH,USA)

Method/Kit name: MALDI Biotyper for *Listeria* spp. confirmation

Validation standard: ISO 16140-6: 2019 Microbiology of food chain – Method Validation–Part 6: Protocol for the validation of alternative (proprietary) methods for microbiological confirmation and typing procedures.

Reference methods:

ISO 11290-1 (May 2017): Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. - Part 1: detection method

Scope of validation: confirmation of *Listeria* spp. and *Listeria monocytogenes* presumptive colonies isolated on O&A, Palcam, Oxford, MOX and RAPID'L.mono, and a non-selective agar, Tryptone Soja Agar with yeast Extract was used for the purpose (TSYEA).

Certification organization: Lloyd's Register

List of abbreviations

-	No typical colonies but presence of background microflora
AL	Acceptability Limit
Alt	Alternative method
BG-	Gram negative rod
CBA	Columbia blood agar
d	Doubtful result
DT	Direct transfer procedure
eDT	Extended direct transfer procedure
EXT	Extraction procedure
EL	Expert Laboratory
g	Gram
h	Hour
MALDI-TOF	Matrix Assisted Laser Desorption/Ionization Time-Of-Flight (MALDI-TOF)
MBT	Maldi Biotyper
MS	Mass Spectrometry
mCCDA	Modified charcoal-cefoperazone-deoxycholate agar
MCS	Method Comparison Study
min	minute
ml	millilitre

MR	(MicroVal) Method Reviewer
MSP	Main Spectrum or Main Spectra
MVTC	MicroVal Technical Committee
NA	Negative agreement
ND	Negative deviation
NOIP	No organism identification possible
PA	Positive agreement
PD	Positive deviation
pos (+)	positive/growth/target detected
RT	Relative Trueness
TSA	Tryptic Soy Agar
w	Weak reaction

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Introduction

The purpose of this MicroVal study was to validate the use of the Bruker MALDI Biotyper® (MBT) using a presumptive *Listeria* spp. (defined by ISO 11290-1:2017) as an alternative method to ISO 16140-6:2019. Only the rates of confirmed and non-confirmed results were considered in the final interpretation. Additional details about the strains tested with the MALDI Biotyper are provided in the report for information purposes only.

The MBT utilizes Matrix Assisted Laser Desorption/Ionization Time-Of-Flight (MALDI-TOF) Mass Spectrometry (MS) for the rapid and accurate confirmation and identification of micro-organisms isolated from select media types. The MBT method is designed to rapidly confirm a presumptive result and identify the isolates from a variety of agar plates.

The alternative method was evaluated to confirm *Listeria* spp and *Listeria monocytogenes* according to the technical rules described in the ISO 16140-Part 6 - Microbiology of the food chain - Method validation - Part 6: protocol for the validation of alternative (proprietary) methods for microbiological confirmation and typing procedures. The tested microorganisms were isolated on Ottaviani and Agosti Agar (O&A), Palcam, Oxford, Modified Oxford (MOX), RAPID'L.mono and a non-selective agar. Two MBT systems were tested, the MBT with the microflex LT/SH instrument, and the MBT smart with the microflex LT/SH smart instrument. Half of the method comparison study was run at ADRIA (FR); the other part was run at Q-Laboratories (OH, USA). The inter-laboratory study was organized in Europe, by involving 16 collaborators from different laboratories.

Reference method: ISO 11290:2017

The scope of the validation study is the confirmation of *Listeria* spp. and *Listeria monocytogenes* presumptive colonies isolated on O&A, Palcam, Oxford, MOX and RAPID'L.mono, and a non-selective agar, Tryptone Soja Agar with yeast Extract was used for the purpose (TSYEA).

1 Method protocols

1.1 Reference method

See the flow diagram in **Annex A**.

The reference methods correspond to the ISO 11290-1 (May 2017) - Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and other *Listeria* spp. - Part 1: detection method; and the ISO 11290-2 (May 2017) - Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and other *Listeria* spp. - Part 2: enumeration method.

1.2 Alternative method

See the flow diagram of the alternative method in **Annex B**.

See the link below corresponding to clinical applications.

1.2.1 Instrumentation Workflow and Mechanism

An individual colony from a culture plate of the tested strain was transferred to a selected position on a MALDI target plate. The MALDI target plate was air-dried and the matrix was added. The matrix solution was used to extract mostly ribosomal proteins at high concentrations from the microorganisms. When the matrix crystallized and was completely dry, the MALDI target plate was analyzed using the **MBT System microflex LT/SH** or the **MBT System microflex LT/SH smart** with the corresponding MBT software (4.0 and Compass versions).

Strains were analyzed using MALDI-TOF MS. A laser in the MALDI-TOF MS irradiates the dried matrix spot. The rapid evaporation of the matrix and proteins caused by the laser resulted in the release of intact, positively charged proteins and peptides (a "soft" ionization technique). These ions are electrostatically accelerated over a short distance and arrive in the flight tube at a mass-dependent speed. As different proteins/peptides have different masses, ions arrive at the detector at different times (Time Of Flight). The mass spectrometer measures the time (in the microsecond range) between pulsed acceleration and the corresponding detector signal. The speed is converted into a molecular mass. The highly abundant microbial ribosomal proteins result in a mass spectrum with a characteristic mass and intensity distribution pattern. For many microorganisms, this pattern is species-specific and can be used as a "molecular fingerprint" to identify the sample.

The **MBT Explorer Module** allows sophisticated statistical analysis as well as the extension of existing libraries or the creation of new libraries; statistical analysis is supported by PCA (Principal Component Analysis), Clustering (dendrogram creation and examination) and correlation analysis based on a composite correlation index (CCI) matrix approach.

The MALDI Biotyper (MBT) software and library:

- The MBT System microflex LT/SH (MBT) or MBT System microflex LT/SH smart (MBT-smart) instruments are benchtop MALDI-Time-Of-Flight Mass Spectrometers for accurate mass determination of biomolecules.
- The **MBT Compass** or **MBT 4.0 Software** are dedicated software packages for microorganism identification based on MALDI-TOF MS profile spectra. The MBT Compass software controls mass spectrometry data acquisition and matches acquired spectra against the MBT Compass library for final identification results. The software generates a report using score values and scoring symbols.
- The **MBT Compass Library** includes defined bacteria and yeast strains from industrial, veterinary, clinical isolates provided by collaborating partners, round robin strains and strains from accredited ISO 9001:2008 certified strain collections.
- This validation was run with the MBT Compass Library version 6903 and was,

therefore, included as part of the validation scope.

The eDT and EXT sample preparations were used when recommended, based on the calculating log (score) value. The sample stability onto prepared targets was guaranteed up to 24 hours at 20 - 25°C.

1.2.2 Calculating a log (score) value and interpretation

Data acquisition was controlled and analyzed using MBT Compass software. The spectrum of the unknown sample was first translated into a peak list. Using a biostatistical algorithm, this peak list was compared to reference peak lists of organisms in the reference library database and a log (score) between 0.00 and 3.00 was generated. The higher the log (score), the higher the degree of similarity between the pattern for the unknown peak list and the peak list for the database entry in the reference library.

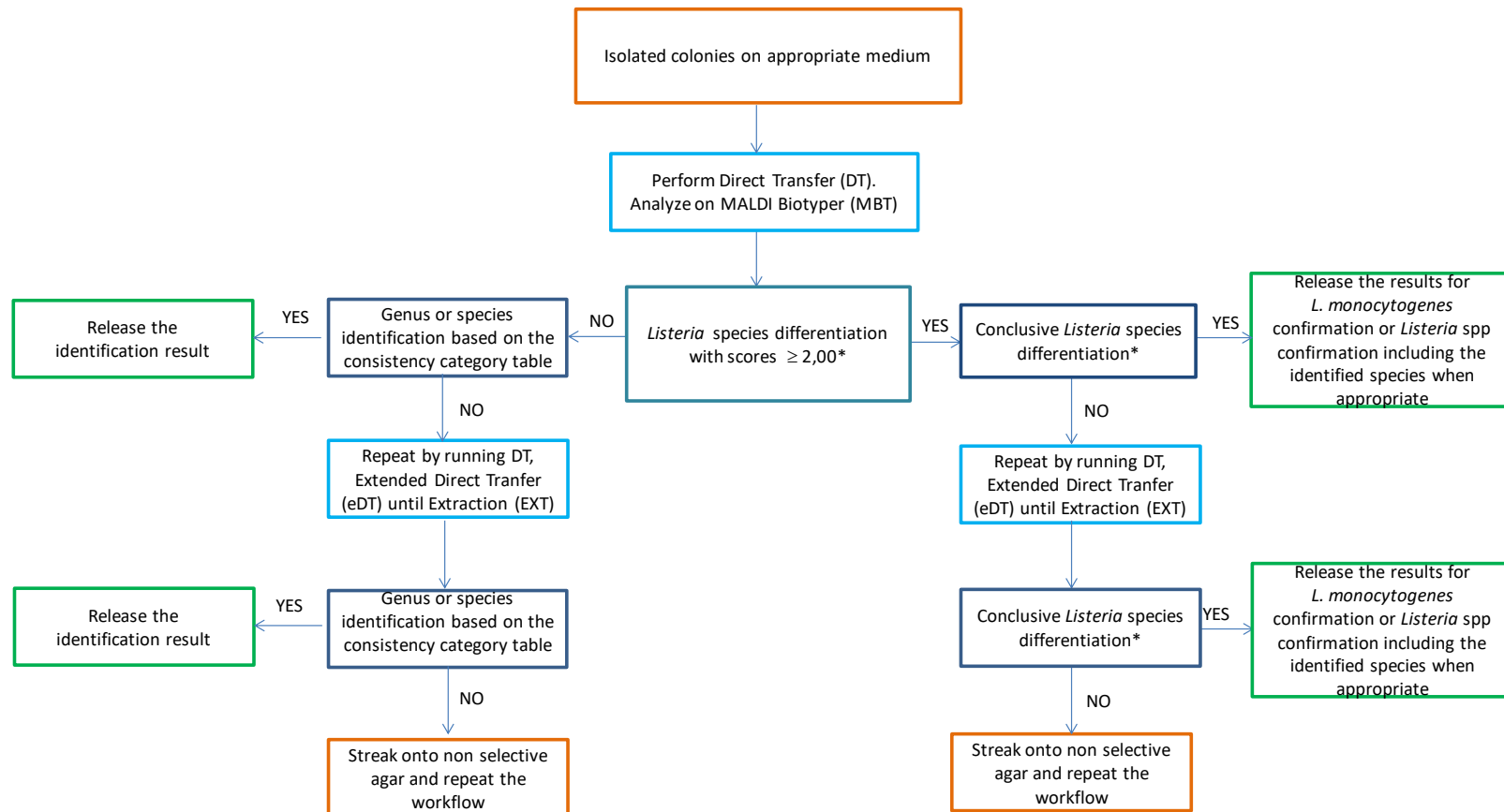
The MBT Subtyping module supports the identification of the mostly encountered *Listeria* species in food, feed and related environmental samples: *L. innocua*, *L. ivanovii*, *L. monocytogenes*, *L. seeligeri*, *L. welshimeri*; this module is not required for *L. grayi* identification. The Subtyping module starts automatically and assesses the quality of the profiles, before checking the specific biomarkers for species identification. The module differentiates *L. monocytogenes* from the closely related *L. innocua*, *L. ivanovii*, *L. monocytogenes*, *L. seeligeri*, *L. welshimeri* species. This MBT Compass Subtyping module is therefore required to confirm *L. monocytogenes*.

The other genera and related species were identified using the Consistency Category of the MBT Compass Manual. Scores >2.00 were presented in green and were determined to be acceptable with high confidence identification at the species level (both *Listeria* species and non-*Listeria* organisms), e.g. a score >2.00 is therefore required to identify *L. grayi*. Results presented in yellow have values between 1.70 and 1.99 and were considered low confidence identification. Results presented in red were considered not acceptable for identification.

The consistency category of the identification was based on the confidence level of the best and second-best matches as described below. If the log (score) is < 1.70 after initial analysis, the DT sample preparation was repeated, and if needed the alternative sample preparation procedures, eDT and EXT, was run (See **Annex C**). If the identification is still not possible, it was advised to streak on a non-selective agar. **Figure 1** shows the workflow.

The MBT report dedicated to food microbiology applications displays directly the confirmation results of *Listeria* spp and *L. monocytogenes*, and the identification of other isolates.

Figure 1



***Listeria genus is confirmed with scores $\geq 1,70$, while *L. monocytogenes* is differentiated from the *L. innocua*, *L. ivanovii*, *L. seeligeri* and *L. welshimeri* with the MBT Compass Subtyping Module.** However, *L. marthii* cannot be differentiated from *L. monocytogenes*. Note that usually *L. marthii* isolates doesn't show halo on Ottaviani & Agosti Agar and on RAPID[®] L. mono (Bio-Rad). *L. grayi* is identified without the need of MBT Compass Subtyping Module. As only a few strains of the newly *Listeria* species are available, the MBT Library contains only a few reference spectra. These species can be only identified at the genus level.

The MBT report for Food Microbiology, activated in the MBT Compass software, provided the confirmation and identification results according to this flowchart.

The Quick Guide for Food Testing was provided in addition to the MBT Compass user manual, in order to describe the scope of the ISO 16140-6 validation, the workflow, the controls, and the interpretation. Note that *L. marthii* cannot be differentiated from *L. monocytogenes*. Typically, *L. marthii* isolates do not show a halo on Ottaviani & Agosti Agar and on RAPID'L.mono. Since only a few strains of the recently described *Listeria* species are available, the MBT Library contains a limited number of reference spectra. The identification is only guaranteed at the genus level. The MBT Library 6903 contains only one reference profile of the two newly described *Listeria* species: *L. fleischmannii* and *L. weihenstephanensis*.

1.2.3 Instrumentation Features

As previously stated, two MBT Complete Solutions are currently available depending on the instrument, MBT System microflex LT/SH (MBT) or MBT System microflex LT/SH smart (MBT-smart). The two instruments were tested during the validation: the MBT microflex LT/SH by the expert laboratory. The blind-coded biotargets were sent for a second reading by BRUKER (Europe) and Atlanta Hospital (US) using the **MBT-smart**. Bruker internal data were available to support the sample stability after the matrix addition up to 24 hours at 20-25°C, but in some cases, the biotargets arrived one day later. The differences result from the laser technology and the vacuum system are presented below (See **Table 1**).

Table 1. A Comparison of the laser technology and the vacuum system

MALDI Biotyper System microflex LT/SH	MALDI Biotyper Smart System microflex LT/SH
Vacuum system	High-performance vacuum system
Gridless microSCOUT™ MALDI ion source with extended pulsed ion extraction PAN™ mass range focusing	Gridless microSCOUT™ MALDI ion source with extended pulsed ion extraction PAN™ mass range focusing
Integrated source cleaning without the need of venting the system	Integrated source cleaning without the need of venting the system
60 Hz nitrogen laser	200 Hz BRUKER smartbeam™ solid-state lifetime laser
TOF analyzer for linear-only measurements with positive acceleration potential	TOF analyzer for linear-only measurements with positive acceleration potential
Data System with digitizer, WIN7 Operating-System, >=24" LCD-Display, Printer and Compass™ for Flex software package for MS control, data acquisition and processing	Data System with digitizer, WIN7 Operating-System, >=24" LCD-Display, Printer and Compass™ for Flex software package for MS control, data acquisition and processing

1.2.4 Software Features

Two versions of the software are currently available: MBT Compass and MBT 4.0. They use the same algorithm and thus provide the same identification result, as presented in the certificate of equivalence (See **Annex D**).

The only differences in the two software versions are the following:

- The MBT Compass enables the use of the Subtyping Module for automated detection of strain specific characteristics, while the MBT 4.0 cannot;
- The MBT 4.0 enables electronic signature and audit trail with the MBT Security Pack, while the MBT Compass still must be implemented for that option.

1.2.5 Targets and biotargets

The samples can be plotted on several targets:

- Reusable 48 and 96 polished steel target;
- Disposable Biotarget 96, which can be used until all the sample positions are filled.

To clearly show the equivalence, 7 collaborators involved in the ILS used disposable biotargets and 8 collaborators ran the tests on reusable targets. The MCS was run with disposable biotargets to simplify the workflow and, therefore, no washing step was required. These targets were simply used to show equivalence with materials to plot the samples and data acquired to comply with the ISO 13485 and ISO 9001 certification.

1.2.6 Associated devices

The MBT was associated to the following devices in order to facilitate the workflow:

- MBT Pilot workstation supported correct sample positioning by guided MALDI target preparation through micro-projection technology; MBT Galaxy automated target preparation system frees laboratory personnel from routine work, using exactly the same sample procedure as the manual one; indeed, no additional testing was required, and data acquired to comply with the ISO 13485 and ISO 9001 certification were available to show the equivalence. Note that the MBT Galaxy is not a colony picker, the MBT Galaxy runs only automatic pipetting of the HCCA (α -cyano-4-hydroxycinnamic acid) matrix of formic acid. Since automation steps were identical to those used in the manual process, it was only necessary to use the manual method within the validation.
- Barcode Scanner was used for easy reading of barcodes of routine samples.

For additional information, please see: <https://www.bruker.com/products/mass-spectrometry-and-separations/ivd-ce-certified-maldi-biotyper/consumables-accessories-for-mbt-workflows.html>

1.2.7 Consumables

The following consumables were required for the manual procedure:

- HCCA Matrix for the sample preparation;
- Bacterial Test Standard (BTS), i.e. mass calibration standard showing a typical *Escherichia coli* DH5 alpha peptide and protein profile plus additional proteins in MALDI-TOF MS. **It is mandatory to get at least one valid BTS control per run.**

Additionally, formic acid was used for the extended direct transfer, as well as ethanol and acetonitrile for the extraction protocol.

1.3 Study design

Microorganisms identified in this MCS using the MBT were isolated by streaking a microbial culture onto an agar plate.

The MBT workflow gathers 3 sample preparation procedures, which are presented in **Annex B**:

1. Direct transfer sample preparation procedure (DT), which is the usual procedure for most of the bacterial isolates and is used as the general procedure;
2. Extended direct transfer sample preparation procedure (eDT);
3. Extraction sample preparation procedure (EXT).

2 Method comparison study

2.1 Selection of Test Strains

A range of strains were used. The selection of the tested strains was done according to the Annex A of the ISO 16140 – part 6. The strains were selected by considering the measurement principle of the alternative method. Different measurement principles may require the use of different test panels of strains. In addition, the occurrence of suspect and interfering colonies on the media used for the reference method was of importance for selecting strains.

Each strain was characterized biochemically, serologically and/or genetically for it to be correctly identified. Strains were isolated mostly from foods, feed, the food-processing environment, or from primary production in consideration of the scope of the validation. Clinical, environmental and culture collection strains could also be used. The original source of the isolates should be traceable and held in a local (e.g. expert laboratory), national or international culture collection to enable them to be used in future testing if required.

The selected strains from the inclusivity and exclusivity lists were coming from collections of the expert laboratories or from culture type collections. They were all

identified at the species level using appropriate methods, conventional or molecular identification.

2.2 Samples to be tested

Highly characterized pure strains were used for confirmation procedures following the requirements as specified in ISO 7218 and ISO 11290-1 and 2.

The validation study was carried out using strains cultured from stock on a non-selective medium or stored on microbeads at -80°C.

Required previously generated data were available for the reference confirmation procedure, therefore, it was not necessary to repeat the reference confirmation procedure with the alternative confirmation method for the MCS.

The confirmatory tests described in the ISO 11290-1 and ISO 11290-2 methods were applied on the strains for the inter-laboratory study. The xylose and rhamnose were tested using biochemical galleries.

2.3 Inclusivity and exclusivity

The study design was based on the taxonomy level addressed by the alternative method and covered by the scope of the certification. All the strains were blind coded prior to analysis.

Inclusivity

Pure cultures of all strains were required to be tested with the reference confirmation procedure and with the alternative confirmation method. 155 different target strains were tested, including 9 newly described species. In the case of *Listeria monocytogenes*, 100 different strains were tested.

Exclusivity

Pure cultures of all strains were required to be tested with the reference confirmation procedure and with the alternative confirmation method. 107 non-target strains (non-*Listeria* spp) were tested. In the case of *Listeria monocytogenes*, 50 different non-target (non-*L. monocytogenes*) strains were tested.

124 *Listeria* spp. strains (non-*Listeria monocytogenes* strains) were tested; in order to fit with the ISO 16140-6 requirements, only 50 strains from the most widely encountered species were kept for interpretation done for *L. monocytogenes* confirmation purpose:

- 10 *Listeria innocua*,
- 10 *Listeria grayii*,
- 10 *Listeria ivanovii*,
- 10 *Listeria seeligeri*,
- 10 *Listeria welshimeri*.

The data were completed with 50 non-*Listeria* strains from the exclusivity panel to reach the required number of 100 non-target strains.

Some of the strains from the exclusivity lists were not able to grow or to show characteristic colonies on the tested selective agars. The strains used in exclusivity testing that exhibited any growth were tested with the MBT procedure to ensure there was no cross-reactivity with the chosen selective agar. The characteristics of the colonies are shown in the raw data.

2.3.1 Data discrepancy

In case of discrepancy (ies) between the alternative and reference methods, the strains were further identified by sequencing the 16S rDNA target. This was the case for some exclusivity strains, but there was no impact on the outcomes of the *Listeria* confirmations.

2.3.2 Listeria spp. testing at the genus level

155 *Listeria* spp. strains and 107 relevant non-*Listeria* spp. strains were tested.

Each strain was first recovered on a non-selective agar (TSYEA) incubated at 37.0 ± 1 °C for $24 \text{ h} \pm 3 \text{ h}$, as well as on five selective agars:

- O&A incubated at 37.0 ± 1 °C for $24 \text{ h} \pm 3 \text{ h}$;
- Palcam incubated at 37.0 ± 1 °C for $24 \text{ h} \pm 3 \text{ h}$;
- Oxford incubated at 37.0 ± 1 °C for $24 \text{ h} \pm 3 \text{ h}$;
- MOX incubated at 37.0 ± 1 °C for $24 \text{ h} \pm 3 \text{ h}$;
- RAPID'L.mono incubated at 37.0 ± 1 °C for $24 \text{ h} \pm 3 \text{ h}$.

Non-target organisms were incubated under optimal growth conditions for the organism. All plates with growth were analyzed by the Bruker Maldi Biotyper System on disposable targets, following the Direct Transfer sample preparation. An isolated colony from each plate was smeared as a thin film directly onto a single sample position on the disposable target. A 1 µL aliquot of BTS was spotted onto a designated position in the disposable target and allowed to dry. After the spotting of the target plate, the HCCA matrix was added within 30 minutes. After the addition of the matrix to the smear, the target plate was analyzed within 24 hours. The protocol is described in **Annex D**.

2.3.3. Summary of the inclusivity and exclusivity testing

Table 2 outlines the tests which were done for *Listeria* spp. **Table 3** displays the tests which were done for *Listeria monocytogenes*. Only strains showing colonies were tested.

Table 2. Tests carried out during the MCS

Target	Inclusivity		Exclusivity	Total
	Media tested	Tests number		
<i>Listeria</i> spp	TSYEA	155	107	/
	O&A	155	9	
	Palcam	150	12	
	Oxford	155	23	
	MOX	151	8	
	RAPID'L.mono	140	11	
TOTAL		906	170	1076

Table 3 – Tests done during the MCS (*Listeria monocytogenes*)

Target	Inclusivity		Exclusivity	Total
	Media tested	Tests number		
<i>Listeria</i> <i>monocytogenes</i>	TSYEA	100	100	/
	O&A	100	55	
	Palcam	100	50	
	Oxford	100	65	
	MOX	100	53	
	RAPID'L.mono	100	50	
TOTAL		600	373	973

2.3.3 Expression of results

The results were tabulated in **Annex E** for *Listeria* spp. inclusivity and **Annex F** for *Listeria* spp. exclusivity study. The results were tabulated in **Annex G** for *Listeria monocytogenes* inclusivity and **Annex H** for *Listeria monocytogenes* exclusivity study.

The following tables give the number of strains showing non-typical growth on the tested plates for *Listeria* spp. (See **Table 4**) and *Listeria monocytogenes* (See **Table 5**) confirmation as well as the number of strains for which a subculture on TSYEA was required to get an identification using the MBT-smart. The strains number 92, 94, 95, 96, 133 and 134 correspond to newly described *Listeria* species.

Table 4. Description of the observed culture data for *Listeria* spp.

Study	Media	Number of strains giving non characteristic colonies	Number of sub-culture on non selective agar required to get a confirmation result	
			MBT	MBT smart
Inclusivity	TSYEA	0	3 (N 94-95-133)=NOIP	5 (92-94-95-133-134)=NOIP
	O&A	4/155	4 (N 95-96-133-134)	5 (N 92-94-95-133-134)
	Palcam	0/155	3 (N 95-96-133)	5 (N 94-95-96-133-134)
	Oxford	0/155	5 (N 92-94-95-96-133-134)	6 (N 92-94-95-96-133-134)
	MOX	0/155	3 (N 94-95-133)	4 (N 94-95-133-134)
	RAPID'L.mono	11/155	4 (N 94-95-133-134)	6 (N 92-94-95-96-133-134)
Exclusivity	TSYEA	0	4 (N 58-75-76-107)= No peak 1 (N 63)=NOIP	3 (N 5-6-63)=NOIP 4 (N 58-75-76-107)= No peak
	O&A	6/107	0	0
	Palcam	10/107	0	0
	Oxford	16/107	2 (N 39 - 42)	1 (N 42)
	MOX	3/107	0	1 (N 39)
	RAPID'L.mono	12/107	0	1 (N 39)

NOIP: No organism identification possible

Table 5. Description of the observed culture data for *Listeria monocytogenes*

Study	Media	Number of strains giving non characteristic colonies	Number of sub-culture on non selective agar required to get an identification result	
			MBT	MBT smart
Inclusivity	TSYEA	0	0	0
	O&A	0/100	0	0
	Palcam	0/100	0	0
	Oxford	0/100	0	0
	MOX	0/100	0	0
	RAPID'L.mono	0/100	0	0
Exclusivity	TSYEA	0	0	0
	O&A	4/100	0	0
	Palcam	5/100	0	0
	Oxford	11/100	2 (N 43-45)	1 (N 45)
	MOX	3/100	0	1 (N 43)
	RAPID'L.mono	12/100	0	1 (N 43)

For *Listeria* spp. inclusivity panel, all the strains were able to grow on the non selective agar plate (TSYEA), but some strains didn't grow on some selective agar plates: for Palcam, 3 *L.grayi* and 2 *L.seeligeri*; on MOX: 4 *L.grayi*; and on RAPID'L.mono: 11 *L.grayi*, 1 *L.cornellensis*, 2 *L.seeligeri*, 1 *L.weihenstephenensis*.

For the *Listeria monocytogenes* inclusivity panel specifically, all the strains were able to grow on the non selective agar plate.

For *Listeria* spp. exclusivity panel, 98 strains didn't grow on Palcam plates, 84 on Oxford, 96 on MOX and 94 on RAPID'L.mono.

For the *Listeria monocytogenes* exclusivity panel specifically, 45 strains didn't grow on O&A plates, 50 on Palcam, 35 on Oxford, 47 on MOX and 50 on RAPID'L.mono.

For *Listeria monocytogenes* inclusivity and exclusivity panels, all the strains gave a result.

For inclusivity and exclusivity panels, the eDT (extended direct transfer) and EXT (extraction) procedures were used in some cases. This is summarised in **Table 6** for *Listeria* spp and **Table 7** for *Listeria monocytogenes*.

Table 6. Use of the eDT and EXT Procedures in the MBT workflow for *Listeria* spp.

Target	Media	No growth	MBT			MBT smart		
			DT	eDT	EXT	DT	eDT	EXT
Inclusivity	TSYEA	0	149	3	3	150	2	3
	O&A	0	150	0	5	150	0	5
	Palcam	5	146	1	3	137	5	8
	Oxford	0	146	3	6	138	3	14
	MOX	4	147	1	3	141	3	7
	RAPID'L.mono	15	130	4	6	113	10	17
	Total	24	868	12	26	829	23	54
	Percentage	/	906			906		
Exclusivity	TSYEA	0	98	7	2	97	5	5
	O&A	98	9	0	0	9	0	0
	Palcam	95	12	0	0	12	0	0
	Oxford	84	21	0	2	21	1	1
	MOX	99	8	0	0	7	0	1
	RAPID'L.mono	96	11	0	0	10	0	1
	Total	472	159	7	4	156	6	8
	Percentage	/	170			170		
Exclusivity	TSYEA	0	98	7	2	97	5	5
	O&A	98	9	0	0	9	0	0
	Palcam	95	12	0	0	12	0	0
	Oxford	84	21	0	2	21	1	1
	MOX	99	8	0	0	7	0	1
	RAPID'L.mono	96	11	0	0	10	0	1
	Total	472	159	7	4	156	6	8
	Percentage	/	93.5%	4.1%	2.4%	91.8%	3.5%	4.7%

Inclusivity study

For the MBT, the eDT was run for 1.3% of the identification results and the EXT for 2.9%. For the MBT-smart, the eDT was run for 2.5% identification results and the EXT for 6.0%.

Exclusivity study

For the MBT, the eDT was run for 4.1% of the identification results and the EXT for 2.4%. For the MBT-smart, the eDT was run for 3.5% identification results and the EXT for 4.7%.

Table 7 - Use of the eDT and EXT Procedures in the MBT workflow for *Listeria monocytogenes*

Target	Media	No growth	MBT			MBT smart		
			DT	eDT	EXT	DT	eDT	EXT
Inclusivity	TSYEA	0	99	1	0	100	0	0
	O&A	0	97	2	1	98	2	0
	Palcam	0	99	1	0	96	4	0
	Oxford	0	97	3	0	99	1	0
	MOX	0	100	0	0	98	2	0
	RAPID [®] <i>L.mono</i>	0	97	2	1	90	5	5
	Total	0	589	9	2	581	14	5
	Percentage	/	600			600		
Exclusivity	TSYEA	0	98	1	1	99	0	1
	O&A	45	55	0	0	55	0	0
	Palcam	50	50	0	0	50	0	0
	Oxford	35	63	0	2	59	3	3
	MOX	47	53	0	0	50	0	3
	RAPID [®] <i>L.mono</i>	50	48	1	1	41	5	4
	Total	227	367	2	4	354	8	11
	Percentage	/	373			373		
	Percentage	/	98.2%	1.5%	0.3%	96.8%	2.3%	0.8%
	TSYEA	0	98	1	1	99	0	1
	O&A	45	55	0	0	55	0	0
	Palcam	50	50	0	0	50	0	0
	Oxford	35	63	0	2	59	3	3
	MOX	47	53	0	0	50	0	3
	RAPID [®] <i>L.mono</i>	50	48	1	1	41	5	4
	Total	227	367	2	4	354	8	11
	Percentage	/	373			373		
	Percentage	/	98.4%	0.5%	1.1%	94.9%	2.1%	2.9%

Inclusivity study

For the MBT, the eDT was run for 1.5% of the identification results and the EXT for 0.3%. For the MBT-smart, the eDT was run for 2.3% identification results and the EXT for 0.8%.

Exclusivity study

For the MBT, the eDT was run for 0.5% of the identification results and the EXT for 1.1%. For the MBT-smart, the eDT was run for 2.1% identification results and the EXT for 2.9%.

For the MBT-smart, the biotargets were analysed 24 hours (minimum) after the sample preparations for ADRIA. The observed slight differences in the sample preparation conducting to an identification result are probably due to the 24 h delay before running the reading with the MBT smart. Since both the MBT and MBT Smart instruments were available at Q Laboratories at that time, no differences were observed.

The interpretation of the results is summarized in **Table 8** for *Listeria* spp and **Table 9** for *Listeria monocytogenes*; the first step of the confirmation procedure is the isolation on the tested culture media.

The data and interpretation confirm the reliability and robustness of the MALDI Biotyper as a confirmation method for *Listeria* spp and non-*Listeria* spp isolates, *L. monocytogenes* and non-*L. monocytogenes* isolates from isolated colonies.

Table 8 - Summary of the results in the method comparison study *Listeria spp*

MALDI System	Media tested	Study	N	IA	ID	EA*	ED
LT/SH-MALDI-MS System	TSYEA	Inclusivity	155 ^c	152	0	Not applicable	Not applicable
		Exclusivity	107 ^e	Not applicable	Not applicable	102	0
	O&A	Inclusivity	155 ^d	151	0	Not applicable	Not applicable
		Exclusivity	107	Not applicable	Not applicable	9	0
	Palcam	Inclusivity	155 ^c	147	0	Not applicable	Not applicable
		Exclusivity	107	Not applicable	Not applicable	12	0
	Oxford	Inclusivity	155 ^e	150	0	Not applicable	Not applicable
		Exclusivity	107 ^b	Not applicable	Not applicable	21	0
	MOX	Inclusivity	155 ^c	148	0	Not applicable	Not applicable
		Exclusivity	107	Not applicable	Not applicable	8	0
LT/SH MALDI Smart System	TSYEA	Inclusivity	155 ^d	136	0	Not applicable	Not applicable
		Exclusivity	107	Not applicable	Not applicable	11	0
	TSYEA	Inclusivity	155 ^e	150	0	Not applicable	Not applicable
		Exclusivity	107 ^g	Not applicable	Not applicable	100	0
	O&A	Inclusivity	155 ^e	150	0	Not applicable	Not applicable
		Exclusivity	107	Not applicable	Not applicable	9	0
	Palcam	Inclusivity	155 ^e	145	0	Not applicable	Not applicable
		Exclusivity	107	Not applicable	Not applicable	12	0
	Oxford	Inclusivity	155 ^f	149	0	Not applicable	Not applicable
		Exclusivity	107 ^a	Not applicable	Not applicable	22	0
	MOX	Inclusivity	155 ^d	147	0	Not applicable	Not applicable
		Exclusivity	107 ^a	Not applicable	Not applicable	7	0
	RAPID'L.mono	Inclusivity	155 ^f	134	0	Not applicable	Not applicable
		Exclusivity	107 ^a	Not applicable	Not applicable	10	0

^a No organism identification possible (NOIP) for 1 out of 107

^b No organism identification possible (NOIP) for 2 out of 107

^c No organism identification possible (NOIP) for 3 out of 107

^d No organism identification possible (NOIP) for 4 out of 107

^e No organism identification possible (NOIP) for 5 out of 107

^f No organism identification possible (NOIP) for 6 out of 107

^g No organism identification possible (NOIP) for 7 out of 107

*Studies with EA< N are due to no growth and/or the indicated NOIP

Table 9: Summary of the results in the method comparison study – *Listeria monocytogenes*

MALDI System	Media tested	Study	N	IA	ID	EA*	ED
LT/SH-MALDI-MS System	TSYEA	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	100	0
	O&A	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	55	0
	Palcam	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	50	0
	Oxford	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100 ^b	Not applicable	Not applicable	63	0
	MOX	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	53	0
	RAPID'L.mono	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	50	0
LT/SH MALDI Smart System	TSYEA	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	100	0
	O&A	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	55	0
	Palcam	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100	Not applicable	Not applicable	50	0
	Oxford	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100 ^a	Not applicable	Not applicable	63	0 ^{**}
	MOX	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100 ^a	Not applicable	Not applicable	52	0
	RAPID'L.mono	Inclusivity	100	100	0	Not applicable	Not applicable
		Exclusivity	100 ^a	Not applicable	Not applicable	49	0

^a No organism identification possible (NOIP) for 1 out of 100

^b No organism identification possible (NOIP) for 2 out of 100

*Studies with EA< N are due to no growth and/or the indicated NOIP

** : False positive result (confirmed as *Listeria monocytogenes* while the strain was confirmed as *Listeria* spp with the tests of the reference method.).

Some strains did not grow on all the plates, especially non-target strains; in these cases, the final confirmation results were considered as negative as the confirmation procedure starts from the streaking on selective agar plates.

No deviations were observed except for one strain (*Listeria seeligeri* Ad651) which was confirmed as *Listeria monocytogenes* using the MALDI Biotyper of Bruker. According to the ISO 16140-part 6 version, this result is considered a positive deviation while the strain was confirmed as a *Listeria* spp. strain (non-*Listeria monocytogenes*) by the tests of the ISO method. This strain should not be considered a positive deviation but instead as a false positive result: 1 result out of 220 *Listeria* strains tested on 6 culture media with the MBT-smart, i.e. 0.08%. Only agreements were observed on all the tested culture medium TSYEA, O&A, Palcam, Oxford, MOX, and RAPID' *L.mono*.

2.3.4 Evaluation

The results of the method comparison study are summarised in the **Table 10** for *Listeria* spp. and **Table 11** for *Listeria monocytogenes*.

Table 10 - Evaluation of the method comparison study results *Listeria* spp

MALDI System	Media tested	Study	AL	ID	ID ≤ AL	ED	ED ≤ AL	Evaluation
LT/SH-MALDI-MS System	TSYEA	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	O&A	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	Palcam	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	Oxford	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	MOX	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	RAPID'L _{mo} no	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
LT/SH MALDI Smart System	TSYEA	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	O&A	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	Palcam	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	Oxford	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	MOX	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted
	RAPID'L _{mo} no	Inclusivity	1	0	$0 \leq 1$	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	$0 \leq 2$	Accepted

Table 11 - Evaluation of the method comparison study results *Listeria monocytogenes*

MALDI System	Media tested	Study	AL	ID	ID ≤ AL	ED	ED ≤ AL	Evaluation
LT/SH-MALDI-MS System	TSYEA	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	O&A	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	Palcam	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	Oxford	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	MOX	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	RAPID'L.mono	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
LT/SH MALDI Smart System	TSYEA	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	O&A	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	Palcam	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	Oxford	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	1	1 ≤ 2	Accepted
	MOX	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted
	RAPID'L.mono	Inclusivity	2	0	0 ≤ 2	Not applicable	Not applicable	Accepted
		Exclusivity	2	Not applicable	Not applicable	0	0 ≤ 2	Accepted

Listeria spp. inclusivity panel:

215 *Listeria* strains from the typical *Listeria* species, i.e. *L. grayi*, *L. innocua*, *L. ivanovii*, *L. monocytogenes*, *L. seeligeri*, *L. welshimeri*, were tested on 6 culture media; 100 *L. monocytogenes* strains and 115 other *Listeria* species.

3 *L. grayi* and 2 *L. seeligeri* strains were not able to recover on Palcam, 4 *L. grayi* strains on MOX, 11 *L. grayi* and 2 *L. seeligeri* strains on Rapid'L. mono. 1266 identification results out of 1266 were correct at the species level with the MBT, providing 100% correct identification rate.

Within one series of analyses dedicated to the MBT smart measurement, the quality of the spectra was not assessed by the subtyping module to enable an identification result for some *L. ivanovii* or *L. seeligeri* strains and sub-cultures on the non-selective medium and were required to get identification as described in the Quick Guide.

This event happened for 0.71% of the measurements (9 tests out of 1266 measurements). As previously stated, one *L. seeligeri* strain isolated on Oxford was misidentified to *L. monocytogenes*, leading to 0.08% misidentification rate. At least, 99.23% of correct identification rate at the species level were generated with MBT-smart. Within the set of MBT 96 biotargets (50% of the overall study), 0.79% of data showed identification at the genus only and one misidentification at the species level that were analyzed after 24 hours shipment minimum.

As expected in the *Listeria* spp inclusivity panel, some newly described *Listeria* species or sub-species out of 9 strains were not identified: 3 strains (MBT) and 5 strains (MBT smart) (*Listeria coloradensis* ATCC BAA-2414, *Listeria fleishmanii* FSL S10-1203, *Listeria floridensis* FSL S10-1187, *Listeria riparia* FSL S10-1204 and *Listeria rocourtiae* FSL F6-920), providing a “No identification possible” result. The 6903 Library contains only one reference profile for two newly described species, i.e. *L. fleischmannii* and *L. weihenstephanensis*. The tested *L. weihenstephanensis* strain was correctly identified from all the tested culture media. The tested *L. fleischmannii* strain was never identified; the reference spectrum of the library and the spectra generated during the study were thus different. *L. coloradensis*, *L. floridensis*, *L. cornellensis*, *L. grandensis*, *L. riparia*, *L. rocourtiae* were identified to *Listeria* spp with yellow scores when they were able to recover on the culture media. As expected, the tested *L. marthii* strain was identified to *L. monocytogenes* as in the Quick Guide for Food.

There are not many strains of these newly described *Listeria* species currently available and it will be difficult to extend the subtyping concept to get a species identification. The only approach that can be developed currently would be to increase the numbers of reference profiles related to the species in the library. This will be completed with future updates. These species are mainly encountered in environmental

ecosystems^{1,2} and are not considered in the FDA/BAM-Chapter 10 and USDA/FSIS-MLG 8.10. Only a few of them are mentioned in the ISO 11290, i.e. *L. fleischmanii*, *L. marthii*, *L. rocourtiae*, *L. weihenstephanensis*.

Listeria spp. exclusivity panel:

107 non-*Listeria* strains were tested; 107 strains were recovered on TSYEA, 9 on O&A, 12 on Palcam, 23 on Oxford, 8 on MOX, and 11 on RAPID'L. *mono*. A total of 170 tests was run.

Only two bacterial strains were not identified (*Cryptococcus albidus* ATCC 34140) with either MBT and MBT-smart. 2 additional *Bacillus* strains were also not identified with the MBT smart (*Bacillus coagulans* Ad732, *Bacillus coagulans* Ad1281). Bruker suggests using very fresh cultures to avoid getting a large number of spores. This was highlighted during the training and in the report. This will be restated in the Quick Guide by stating: "Using very fresh cultures of supposed spore-forming bacteria, i.e. less than 24 hours incubation time, usually improves the quality of the spectra (score)". At least, 99.41% of the tests provided an identification result with the MBT and 98.24% with the MBT-smart. There was an observed difference between the set of MBT Biotargets 96 that was shipped prior to analysis.

For 4 strains (*Carnobacterium gallinarum* ATCC 49517, *Kurtia gobsonii* ATCC 43195, *Kurthia zopfii* ATCC 10538 and *Zyggosaccharomyces bailii* ATCC 36945), no peak was observed using either MBT or MBT smart. For these strains, the extraction procedure was not applied while it is typically required for yeast analyses.

None of these strains, with "NOIP" or "no peak" results, showed characteristic colonies on the tested selective agars and will be thus not be tested in routine testing as presumptive *Listeria* colonies.

Disagreements:

Some disagreements were observed between the original identification of the strains obtained with the conventional identification procedures, and the MBT. These strains were sometimes identified using 16S rDNA sequencing.

The **Table 12** gathers all the disagreements observed:

In 2 cases, the misidentification is due to a lack of representative of the species in the MBT library;

- In one case, a disagreement is observed between the MALDI Biotyper and the original identification (*Listeria seeligeri* Ad651);

¹ Graves et al, 2010. International Journal of Systematic and Evolutionary Microbiology. 60, 1280–1288

² Linke et al, 2014. Applied and Environmental Microbiology. 80, 18 5583-5592

- One *Listeria* spp strain was originally misidentified with the ISO method.
- In 7 cases, the MALDI Biotyper and the 16S rDNA sequencing give the same identification;
- In 2 cases, the genus identification is confirmed by the MALDI Biotyper;
- For one strain (*Lysinibacillus sphaericus* Ad724), the MALDI Biotyper identification gives sometimes *Lysinibacillus* spp and sometimes *Bacillus* spp, but no false positive confirmation result is obtained;
- It is difficult to conclude in 2 cases as all the methods give different results.

This table gives additional information, not within the scope of the validation.

Table 12. Disagreements observed in the test

Agreement between two methods			Correct in some cases ³	Disagreement with the two other methods	Not possible to conclude
Study	IS O confirmation	Original identification of the strains	Identification with 16S rDNA sequencing	Identification with the MALDI Biotyper and MALDI Biotyper smart	Conclusion
<i>Listeria</i> spp inclusivity panel	+	<i>Listeria marthii</i> ATCC BAA-1595	/	<i>Listeria monocytogenes</i>	<i>Listeria marthii</i> cannot be differentiated from <i>Listeria monocytogenes</i> as highlighted in the Quick Guide. However, <i>L. marthii</i> doesn't show characteristic colonies on O&A and RAPID [®] L. mono
	+	<i>Listeria seeligeri</i> Ad651	/	<i>Listeria monocytogenes</i>	This strain does not show halo on Ottaviani & Agosti Agar. The identification was confirmed by API gallery.
	+	<i>Listeria welshimeri</i> Ad 1231		<i>Listeria innocua</i>	The strain was identified to <i>L. innocua</i> by running a second biochemical gallery.
<i>Listeria</i> spp exclusivity panel	-	<i>Enterococcus avium</i> Ad183	<i>Enterococcus malodoratus</i>	<i>Enterococcus malodoratus</i>	<i>Enterococcus malodoratus</i> is confirmed with the MALDI Biotyper and 16S rDNA sequencing.
	-	<i>Enterococcus durans</i> Ad181	<i>Enterococcus faecium/hirae/durans</i>	<i>Enterococcus faecium</i>	The genus identification was confirmed by the MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing. It looks quite difficult to conclude for the species.
	-	<i>Enterococcus gallinarum</i> Ad1145	<i>Enterococcus casseliflavus/gallinarum</i>	<i>Enterococcus casseliflavus</i>	The genus identification was confirmed by the he MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
	-	<i>Lactococcus casei</i> Ad469	<i>Leuconostoc mesenteroides</i>	<i>Leuconostoc mesenteroides</i>	<i>Leuconostoc mesenteroides</i> is confirmed with the MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
	-	<i>Leuconostoc citreum</i> Ad604	<i>Enterococcus faecalis</i>	<i>Weissella</i> spp.	Difficult to conclude as three identifications were obtained. But <i>Leuconostoc</i> and <i>Weissella</i> are closely related genus.
	-	<i>Lysinibacillus sphaericus</i> Ad724	<i>Lysinibacillus fusiformis</i>	<i>Lysinibacillus</i> spp or <i>Bacillus</i> spp	The genus identification was confirmed by the MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
<i>Listeria</i> spp exclusivity panel	-	<i>Staphylococcus epidermidis</i> Ad931	<i>Micrococcus luteus</i>	<i>Micrococcus luteus</i>	<i>Micrococcus luteus</i> confirmed with the MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
	-	<i>Staphylococcus intermedius</i> CIP8177	<i>Staphylococcus intermedius/delphini/pseudintermedius</i>	<i>Staphylococcus pseudintermedius</i>	The genus identification was confirmed by the he MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
	-	<i>Enterobacter cancerogenus</i> QL11010.1	<i>Shigella, Escherichia, Enterobacter</i>	<i>Escherichia coli</i>	Difficult to conclude
	-	<i>Lysinibacillus sphaericus</i> ATCC BAA-378	/	<i>Lysinibacillus fusiformis</i> or <i>boronitolerans</i>	The genus identification was confirmed by the MALDI Biotyper and the Maldi biotyper smart.
<i>Listeria monocytogenes</i> exclusivity panel	=	<i>Enterococcus gallinarum</i> Ad1145	<i>Enterococcus casseliflavus/gallinarum</i>	<i>Enterococcus casseliflavus</i>	The genus identification was confirmed by the MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
	=	<i>Lysinibacillus sphaericus</i> Ad724	<i>Lysinibacillus fusiformis</i>	<i>Lysinibacillus</i> spp or <i>Bacillus</i> spp	The genus identification was confirmed by the MALDI Biotyper, Maldi biotyper smart and 16S rDNA sequencing.
	=	<i>Lysinibacillus sphaericus</i> ATCC BAA-378	/	<i>Lysinibacillus fusiformis</i> or <i>boronitolerans</i>	The genus identification was confirmed by the MALDI Biotyper and the Maldi biotyper smart.

³ The MALDI-Biotyper gives an identification in agreement with the expected result for some plates.

4. Conclusions Method Comparison Study

Listeria spp.

For inclusivity, the AL was met for both MBT Systems, and for all the tested media, as the calculated values for ID are lower than the AL fixed respectively at 1 for 150 target strains tested.

For exclusivity, the AL was met for both MBT Systems, and for all the tested media, as the calculated values for ED are lower than the AL fixed respectively at 2 for 100 non-target strains

Listeria monocytogenes

For inclusivity, the AL is met for both MBT Systems, and for all the tested media, as the calculated values for ID are lower than the AL fixed respectively at 2 for 100 target strains tested.

For exclusivity, the AL is met for both MBT Systems, and for all the tested media, as the calculated values for ED are lower than the AL fixed respectively at 2 for 100 non-target strains.

5 Interlaboratory Study

5.1 Protocol and Materials

A total of 16 participants from 16 laboratories participated in this study. A detailed list of participants is presented in **Annex M**. Each collaborator received 16 target strains and 8 non-target strains. The strains were blinded coded as follows (See **Table 13**). The list of target and non-target strains tested is provided in **Annex N**.

Microbeads were thawed and streaked on nutrient agar to check the purity of the strains and then subcultured in conservation agar media for shipment. Upon receipt, the samples were plotted on targets or biotargets depending on the collaborators.

Only one collaborator (N) has a MBT smart with the microflex LT/SH smart instrument since this is a new instrument. All the other collaborators have a MBT with the microflex LT/SH instrument.

Table 131. Targets used by the collaborators and the expert lab.

Collaborators		Type of target used
A		Reusable polished steel target
B		Disposable Biotarget 96
C		Reusable polished steel target
D		Reusable polished steel target
E		Reusable polished steel target
F		Disposable Biotarget 96
G		Reusable polished steel target
H		Disposable Biotarget 96
I		Reusable polished steel target
J		Disposable Biotarget 96
K		Reusable polished steel target
L		Disposable Biotarget 96
M		Disposable Biotarget 96
N		Disposable Biotarget 96
O		Disposable Biotarget 96
P		Reusable polished steel target
Q (ADRIA)		Disposable Biotarget 96
Collaborators	Total Reusable Polished Steel Targets	8
	Total Disposable Biotargets	8

5.2 Transport

Isolates were shipped on Tuesday, August 22nd, 2017. Packages were sent via TNT and transported considering the transport safety requirements (Biological substances: category B) according to IATA⁴ tubes. UN3373 packages were used and included a primary receptacle that included the strain and a second packaging that fully encapsulated the primary receptacle. The package receipt data as well as the analysis date are indicated in **Table 14**. All packages were delivered in good conditions to the collaborators.

Table 14 - Package receipt and analysis date

Collaborators	Receipt date	Analysis date
A	08/24/2017	08/28/2017
B	08/24/2017	08/29/2017
C	08/23/2017	08/28/2017
D	08/24/2017	08/28/2017
E	08/24/2017	08/28/2017
F	08/24/2017	08/28/2017
G	08/23/2017	08/28/2017
H	08/23/2017	08/23/2017
I	08/23/2017	08/28/2017
J	08/23/2017	08/28/2017
K	08/23/2017	08/28/2017
L	08/23/2017	08/28/2017
M	08/25/2017	08/28/2017
N	08/25/2017	30/08/2017
O	08/23/2017	08/28/2017
P	08/23/2017	08/28/2017

5.3 Analysis

The collaborators and the Expert Laboratory tested the blind coded strains as described in **Annex O**. Each collaborator streaked the blind coded targets and non-target strains onto a non-selective (TSYEA) and selective agar plates before applying the alternative MALDI-TOF Confirmation Procedure (O&A, Oxford and RAPID'L.mono). The MOX and Palcam plates were not tested for the inter-laboratory study. As stated in the project, if all the data were correct on all the tested selective agars in the Method Comparison Study, only selected selective agars will be tested, i.e. the standard O&A formulation and one non chromogenic standard formulation, as well as the proprietary chromogenic, i.e. RAPID'L. mono. All the strains were also tested using the ISO standard procedures (catalase, gram, haemolysis, motility, biochemical tests) from the non-selective agar plate (TSYEA).

5.4 Statistics and Results

The data from 16 collaborators were received; the raw data are provided in **Annex P**.

⁴ IATA : International Air Transport Association

Within the sets of data retained for the interpretation, 100% correct identification rate was obtained with the MBT for the tested *Listeria strains*. 3 misidentifications at the *Listeria* species level were observed with the ISO 11290 procedure and it was not possible to discriminate between *L. seeligeri* and *L. ivanovii* in 10 cases or to identify clearly one *L. grayi* isolate; this corresponds to 3.57% (13 out of 364) of the overall measurements.

For the Gram positive non-*Listeria* (exclusivity) organisms, 100% correct identification rate was observed with the MBT. The MALDI Biotyper method identified *Bacillus thuringiensis* as a member of the *Bacillus cereus* group with no possible identification to the species level, as described in the ISO 7932 standard; this is clearly highlighted in the MALDI Biotyper result report.

Using the conventional identification procedure with biochemical galleries, 3 collaborators identified *B. pumilus* as *L. grayi* and one collaborator identified *B. thuringiensis* as *L. ivanovii*; this corresponds to 3.85% (4 out of 104) of misidentification, as well false confirmation to *Listeria* spp in the overall measurements.

A summary of the inconsistent results or problems encountered during the study are provided in **Table 15** for *Listeria* spp and **Table 16** for *Listeria monocytogenes*.

Table 15. Summary of the inconsistent results or problems encountered during the study by the collaborators - *Listeria* spp

Collabo- rator	Comments		Collaborator retained for interpretation
	Reference method	Alternative method	
A	No comment	No comment	Yes
B	No comment	No comment	Yes
C	No comment	No comment	Yes
D	No comment	No comment	Yes
E	No comment	No comment	Yes
F	- Impossible to conclude for some strains due to doubtful identification by the biochemical tests. - One strain did not grow on TSYEA.	One strain did not grow on TSYEA	No
G	No comment	No comment	Yes
H	Bad identification for 2 strains by the biochemical tests.	No comment	Yes
I	Inconsistent Gram stain result	Oxford media was not tested by the collaborator	Yes
J	No comment	No comment	Yes
K	- The collaborator did not follow the entire workflow. - Misidentifications were observed for several biochemical test results. - Inconsistent results were encountered for the Gram stain and haemolysis results.	- The collaborator did not follow the entire workflow. - Some cross contaminations were observed.	No
L	No comment	No comment	Yes
M	No comment	No comment	Yes
N	Inconsistent results for some biochemical tests	- The subtyping module did not proceed correctly in several cases. - Some results are missing.	Yes
O	No comment	No comment	Yes
P	- No biochemical test result for one strain - Many inconsistent results were observed for the haemolysis and Gram stain tests.	No comment	Yes

Table 26. Summary of the inconsistent results or problems encountered during the study by the collaborators - *Listeria monocytogenes*

Collabo- rator	Comments		Collaborator retained for interpretation
	Reference method	Alternative method	
A	No comment	No comment	Yes
B	No comment	No comment	Yes
C	No comment	No comment	Yes
D	No comment	No comment	Yes
E	No comment	No comment	Yes
F	- Impossible to conclude for some strains due to a double identification by the biochemical tests. - One strain did not grow on TSYES.	- One strain did not grow on TSYES - The collaborator did not follow the entire workflow for one strain on Oxford. - Positive deviation was observed on Oxford for one strain.	No
G	No comment	No comment	Yes
H	No comment	No comment	Yes
I	2 inconsistent haemolysis results.	- Oxford media was not tested by the collaborator. - The collaborator did not follow the entire workflow for one strain on RAPID'L.mono.	Yes, except for Oxford and RAPID'L.mono
J	No comment	No comment	Yes
K	- The collaborator did not follow the entire workflow. - Misidentifications were observed for several biochemical test results. - Inconsistent results were encountered for the Gram stain and haemolysis results.	- The collaborator did not follow the entire workflow. - Some cross contaminations were observed.	No
L	No comment	No comment	Yes
M	No comment	No comment	Yes
N	Inconsistent results for some biochemical tests and haemolysis	- The subtyping module did not proceed correctly in several cases. - Some results are missing.	Yes
O	No comment	No comment	Yes
P	One inconsistent result was observed for a Gram stain.	No comment	Yes

Problems were primarily encountered using the confirmatory tests of the ISO 11290 method. Additionally, some collaborators did not follow the entire MBT workflow and stopped with the DT, while no identification result obtained. The entire data set provided by laboratory K was excluded, the MBT workflow was not followed and data were missing. Collaborators F and N were also excluded due to data inconsistencies and/or missing. The collaborators listed in **Table 17** were kept for interpretation.

Table 3. List of collaborators kept for interpretation per media used for streaking

Collabo- rators	TSYEA		O&A		Oxford		RAPID'L.mono	
	<i>L. spp</i>	<i>L.mono-cytogenes</i>	<i>L. spp</i>	<i>L.mono-cytogenes</i>	<i>L. spp</i>	<i>L.mono-cytogenes</i>	<i>L. spp</i>	<i>L.mono-cytogenes</i>
A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
D	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
F	No	No	No	No	No	No	No	No
G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
H	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
I	Yes	Yes	Yes	Yes	No	No	Yes	Yes
J	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
K	No	No	No	No	No	No	No	No
L	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
M	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
O	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
P	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TOTAL	13	13	13	13	12	12	13	12

A summary of the results kept for interpretation are given in the following tables:

	TSYEA	O&A	Oxford	RAPID'L.mono
For <i>Listeria</i> spp.	Table 18	Table 19	Table 20	Table 21
For <i>Listeria monocytogenes</i>	Table 22	Table 23	Table 24	Table 25

Table 18. Summary of the results obtained for TSYEA - *Listeria* spp

Collaborators	TSYEA	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	<i>Alternative confirmation method</i>	<i>Alternative confirmation method</i>
A	16/16	8/8
B	16/16	8/8
C	16/16	8/8
D	16/16	8/8
E	16/16	8/8
G	16/16	8/8
H	16/16	8/8
I	16/16	8/8
J	16/16	8/8
L	16/16	8/8
M	16/16	8/8
O	16/16	8/8
P	16/16	8/8
TOTAL (13 labs)	208/208	104/104

Table 19. Summary of the results obtained for O&A - *Listeria* spp

Collaborators	O&A	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	<i>Alternative confirmation method</i>	<i>Alternative confirmation method</i>
A	16/16	8/8 (including 4 NA no growth)
B	16/16	8/8 (including 7 NA no growth)
C	16/16	8/8 (including 7 NA no growth)
D	16/16	8/8 (including 4 NA no growth)
E	16/16	8/8 (including 5 NA no growth)
G	16/16	8/8 (including 8 NA no growth)
H	16/16	8/8 (including 6 NA no growth)
I	16/16	8/8 (including 8 NA no growth)
J	16/16	8/8 (including 7 NA no growth)
L	16/16	8/8 (including 8 NA no growth)
M	16/16	8/8 (including 5 NA no growth)
O	16/16	8/8 (including 6 NA no growth)
P	16/16	8/8 (including 5 NA no growth)
13 labs	208/208	104/104

Table 20. Summary of the results obtained for Oxford - *Listeria* spp

Collaborators ⁵	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	Alternative confirmation procedure	Alternative confirmation procedure
Collaborator 1	16/16	8/8 (7 with no growth)
Collaborator 2	16/16	8/8 (6 with no growth)
Collaborator 4	16/16	8/8 (7 with no growth)
Collaborator 5	16/16	8/8 (7 with no growth)
Collaborator 6	16/16	8/8 (6 with no growth)
Collaborator 7	16/16	8/8 (6 with no growth)
Collaborator 8	16/16	8/8 (7 with no growth)
Collaborator 9	16/16	8/8 (5 with no growth)
Collaborator 10	16/16	8/8 (8 with no growth)
Collaborator 12	16/16	8/8 (7 with no growth)
Collaborator 13	16/16	8/8 (8 with no growth)
Collaborator 14	16/16	8/8 (8 with no growth)
Collaborator 15	16/16	8/8 (8 with no growth)
Collaborator 16	16/16	8/8 (6 with no growth)
Collaborator 17	16/16	8/8 (8 with no growth)
Total	240/240	120/120
15 Collaborators	240/240	120/120

Table 21. Summary of the results obtained for RAPID'L.mono - *Listeria* spp

Collaborators	RAPID'L.mono	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	Alternative confirmation method	Alternative confirmation method
A	16/16	8/8 (including 4 NA no growth)
B	16/16	8/8 (including 7 NA no growth)
C	16/16	8/8 (including 6 NA no growth)
D	16/16	8/8 (including 4 NA no growth)
E	16/16	8/8 (including 4 NA no growth)
G	16/16	8/8 (including 7 NA no growth)
H	16/16	8/8 (including 4 NA no growth)
I	16/16	8/8 (including 7 NA no growth)
J	16/16	8/8 (including 5 NA no growth)
L	16/16	8/8 (including 8 NA no growth)
M	16/16	8/8 (including 4 NA no growth)
O	16/16	8/8 (including 5 NA no growth)
P	16/16	8/8 (including 4 NA no growth)
TOTAL (13 labs)	208/208	104/104

⁵ Data from 2 collaborators were excluded from analysis due to technical deviations from the test protocol or non-viable growth was obtained.

Table 22. Summary of the results obtained for TSYEA - *Listeria monocytogenes*

Collaborators	TSYEA	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	<i>Alternative confirmation method</i>	<i>Alternative confirmation method</i>
A	16/16	8/8
B	16/16	8/8
C	16/16	8/8
D	16/16	8/8
E	16/16	8/8
G	16/16	8/8
H	16/16	8/8
I	16/16	8/8
J	16/16	8/8
L	16/16	8/8
M	16/16	8/8
O	16/16	8/8
P	16/16	8/8
TOTAL (13 labs)	208/208	104/104

Table 23. Summary of the results obtained for O&A - *Listeria monocytogenes*

Collaborators	O&A	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	<i>Alternative confirmation method</i>	<i>Alternative confirmation method</i>
A	16/16	8/8 (including 2 NA no growth)
B	16/16	8/8 (including 4 NA no growth)
C	16/16	8/8 (including 4 NA no growth)
D	16/16	8/8 (including 2 NA no growth)
E	16/16	8/8 (including 2 NA no growth)
G	16/16	8/8 (including 4 NA no growth)
H	16/16	8/8 (including 3 NA no growth)
I	16/16	8/8 (including 4 NA no growth)
J	16/16	8/8 (including 3 NA no growth)
L	16/16	8/8 (including 4 NA no growth)
M	16/16	8/8 (including 3 NA no growth)
O	16/16	8/8 (including 3 NA no growth)
P	16/16	8/8 (including 2 NA no growth)
TOTAL (13 labs)	208/208	104/104

Table 24. Summary of the results obtained for Oxford - *Listeria monocytogenes*

Collaborators	Oxford	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	<i>Alternative confirmation method</i>	<i>Alternative confirmation method</i>
A	16/16	8/8 (including 2 NA no growth)
B	16/16	8/8 (including 1 NA no growth)
C	16/16	8/8 (including 2 NA no growth)
D	16/16	8/8 (including 2 NA no growth)
E	16/16	8/8 (including 1 NA no growth)
G	16/16	8/8 (including 1 NA no growth)
H	16/16	8/8 (including 1 NA no growth)
J	16/16	8/8 (including 2 NA no growth)
L	16/16	8/8 (including 2 NA no growth)
M	16/16	8/8 (including 1 NA no growth)
O	16/16	8/8 (including 1 NA no growth)
P	16/16	8/8 (including 1 NA no growth)
TOTAL (12 labs)	192/192	96/96

Table 25. Summary of the results obtained for RAPID'L.mono - *Listeria monocytogenes*

Collaborators	RAPID'L.mono	
	Number of correctly confirmed strains in the inclusivity part (PA)	Number of correctly non-confirmed strains in the exclusivity part (NA)
	<i>Alternative confirmation method</i>	<i>Alternative confirmation method</i>
A	16/16	8/8 (including 2 NA no growth)
B	16/16	8/8 (including 4 NA no growth)
C	16/16	8/8 (including 3 NA no growth)
D	16/16	8/8 (including 2 NA no growth)
E	16/16	8/8 (including 2 NA no growth)
G	16/16	8/8 (including 3 NA no growth)
H	16/16	8/8 (including 2 NA no growth)
J	16/16	8/8 (including 2 NA no growth)
L	16/16	8/8 (including 4 NA no growth)
M	16/16	8/8 (including 2 NA no growth)
O	16/16	8/8 (including 2 NA no growth)
P	16/16	8/8 (including 2 NA no growth)
TOTAL (12 labs)	192/192	96/96

The results of the interlaboratory study are summarised in **Table 26** for *Listeria* spp and **Table 27** for *Listeria monocytogenes*.

Table 26. Summary of the results in the interlaboratory study - *Listeria* spp.

Media tested	Number of labs	Study	N	IA	ID	EA	ED
TSYEA	13	Inclusivity	208	208	0	Not Applicable	Not Applicable
	13	Exclusivity	208	Not Applicable	Not Applicable	104	0
O&A	13	Inclusivity	208	208	0	Not Applicable	Not Applicable
	13	Exclusivity	104	Not Applicable	Not Applicable	24	0
Oxford	12	Inclusivity	192	192	0	Not Applicable	Not Applicable
	12	Exclusivity	96	Not Applicable	Not Applicable	54	0
RAPID'L .mono	13	Inclusivity	208	208	0	Not Applicable	Not Applicable
	13	Exclusivity	104	Not Applicable	Not Applicable	35	0

Table 27. Summary of the results in the interlaboratory study - *Listeria monocytogenes*

Media tested	Number of labs	Study	N	IA	ID	EA	ED
TSYEA	13	Inclusivity	208	208	0	Not Applicable	Not Applicable
	13	Exclusivity	104	Not Applicable	Not Applicable	104	0
O&A	13	Inclusivity	208	208	0	Not Applicable	Not Applicable
	13	Exclusivity	104	Not Applicable	Not Applicable	64	0
Oxford	12	Inclusivity	192	192	0	Not Applicable	Not Applicable
	12	Exclusivity	96	Not Applicable	Not Applicable	79	0
RAPID'L.mon o	13	Inclusivity	192	192	0	Not Applicable	Not Applicable
	13	Exclusivity	96	Not Applicable	Not Applicable	66	0

The results evaluated according to the acceptability limits (AL) are given in **Table 28** for *Listeria* spp and **Table 29** for *Listeria monocytogenes*.

Table 28. Evaluation of the interlaboratory study results - *Listeria* spp.

Media tested	Number of labs	Study	N	AL	ID	ID≤AL	ED	ED≤AL	Evaluation
TSYEA	13	Inclusivity	208	3	0	0≤3	Not Applicable	Not Applicable	Accepted
	13	Exclusivity	208	3	Not Applicable	Not Applicable	0	0≤3	Accepted
O&A	13	Inclusivity	208	3	0	0≤3	Not Applicable	Not Applicable	Accepted
	13	Exclusivity	104	3	Not Applicable	Not Applicable	0	0≤3	Accepted
Oxford	12	Inclusivity	192	2	0	0≤2	Not Applicable	Not Applicable	Accepted
	12	Exclusivity	96	2	Not Applicable	Not Applicable	0	0≤2	Accepted
RAPID'L.mono	13	Inclusivity	208	3	0	0≤3	Not Applicable	Not Applicable	Accepted
	13	Exclusivity	104	3	Not Applicable	Not Applicable	0	0≤3	Accepted

Table 29. Evaluation of the interlaboratory study results - *Listeria monocytogenes*

Media tested	Number of labs	Study	N	AL	ID	ID≤AL	ED	ED≤AL	Evaluation
TSYEA	13	Inclusivity	208	3	0	0≤3	Not Applicable	Not Applicable	Accepted
	13	Exclusivity	104	3	Not Applicable	Not Applicable	0	0≤3	Accepted
O&A	13	Inclusivity	208	3	0	0≤3	Not Applicable	Not Applicable	Accepted
	13	Exclusivity	104	3	Not Applicable	Not Applicable	0	0≤3	Accepted
Oxford	12	Inclusivity	192	2	0	0≤2	Not Applicable	Not Applicable	Accepted
	12	Exclusivity	96	2	Not Applicable	Not Applicable	0	0≤2	Accepted
RAPID'L.mono	13	Inclusivity	208	3	0	0≤3	Not Applicable	Not Applicable	Accepted
	13	Exclusivity	96	3	Not Applicable	Not Applicable	0	0≤3	Accepted

Eight collaborators used the Reusable polished steel targets and eight collaborators used the Disposable targets; no difference was observed between both targets, confirming the reliability of the method.

6 Conclusions of Interlaboratory Study

Listeria spp.

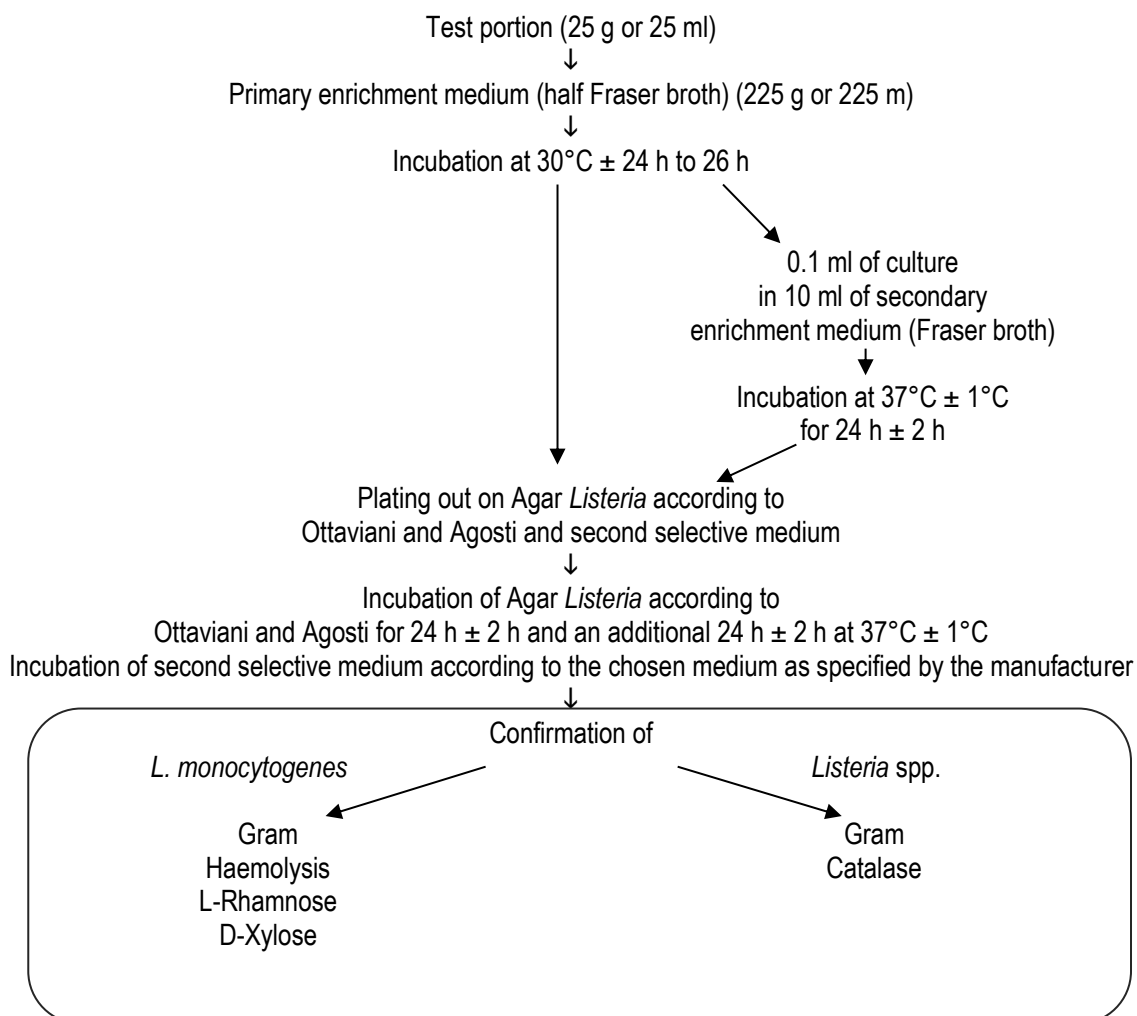
The AL is met for the four media tested during this inter-laboratory study (non-selective agar, O&A, Oxford and RAPID'L.mono), as the calculated values for ND - PD and ND + PD for the inclusivity are lower than the ALs, as well as the calculated values for ND + PD for the exclusivity study.

Listeria monocytogenes

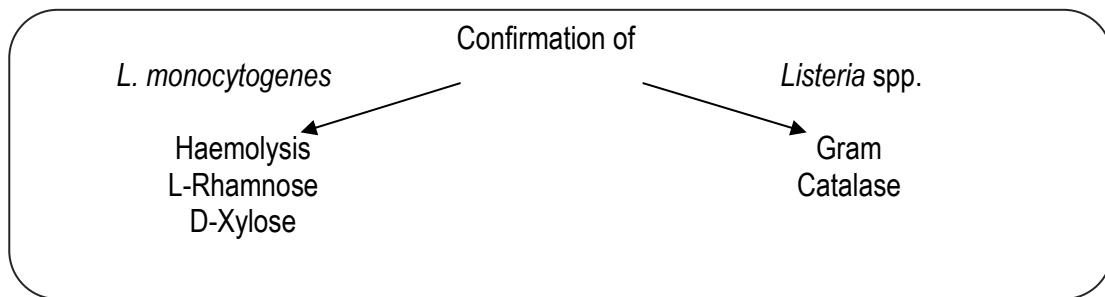
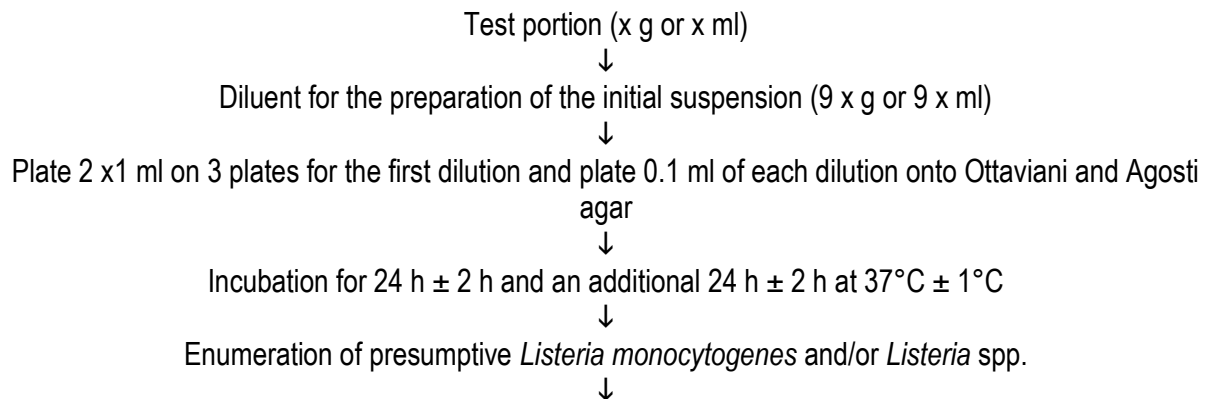
The AL is met for the four media tested during this inter-laboratory study (non-selective agar, O&A, Oxford and RAPID'*L.mono*), as the calculated values for ND - PD and ND + PD for the inclusivity are lower than the ALs, as well as the calculated values for ND + PD for the exclusivity study.

Annex A - Flow diagrams of the reference methods

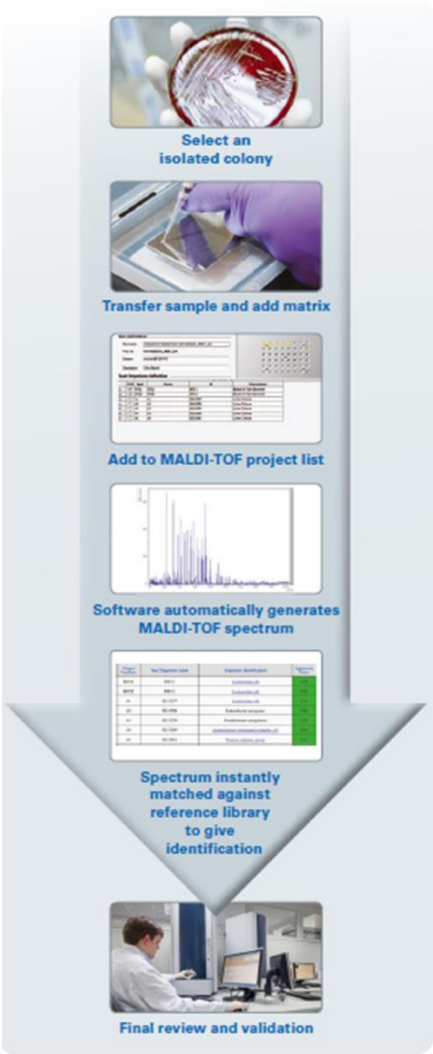
ISO 11290-1 (May 2017): Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. – Part 1: detection method

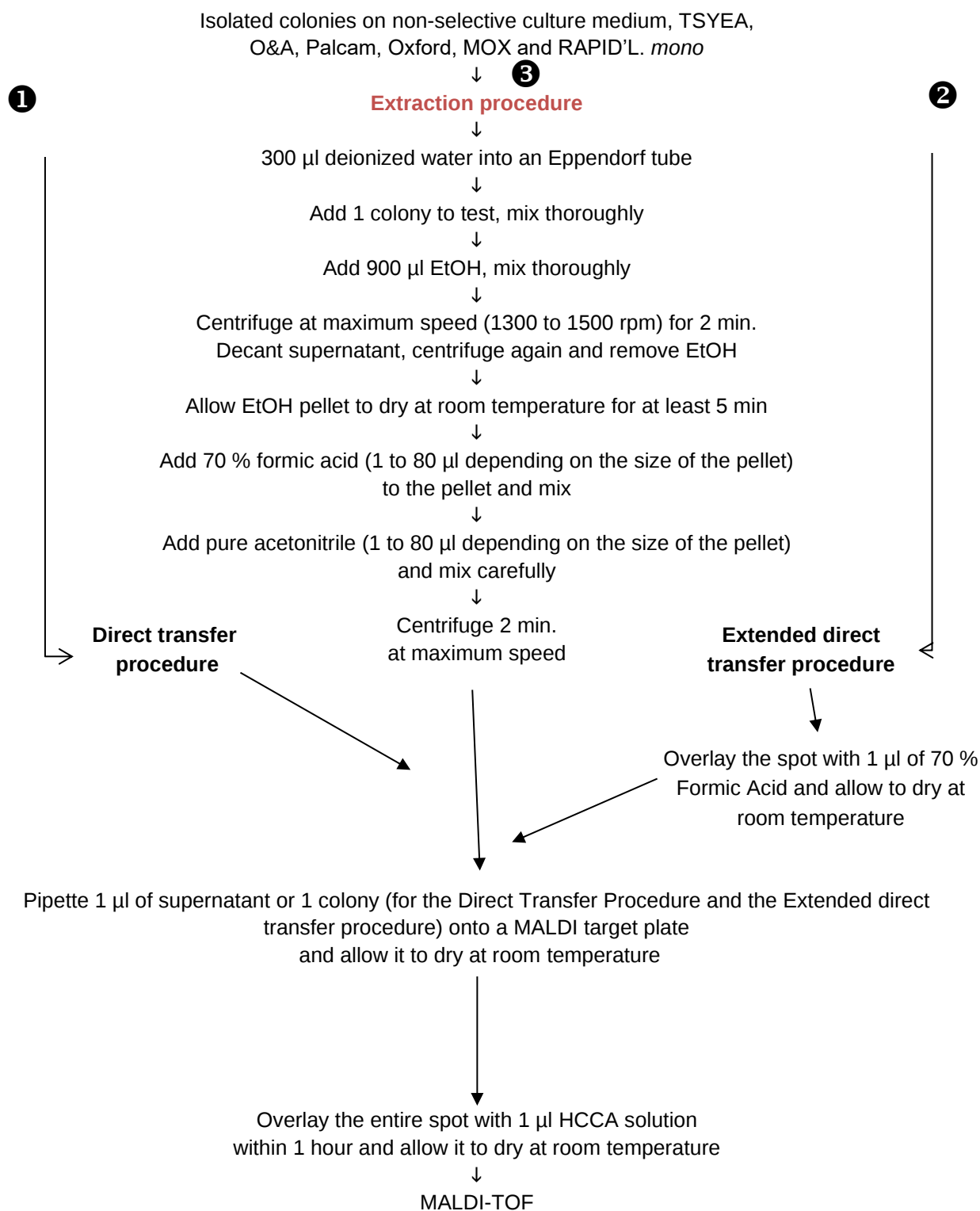


**ISO 11290-2 (May 2017): Microbiology of the food chain -
Horizontal method for the detection and enumeration of *Listeria
monocytogenes* and of *Listeria* spp. - Part 2: enumeration method**



Annex B - Flow diagram of the alternative method





The Direct Transfer (DT) Sample preparation can identify 90%-95% of the bacterial isolates. When no identification is obtained, this procedure should be repeated. If the no result is repeated, then the users should run the eDT. When needed the EXT sample preparation should be carried out. In some rare cases, a sub-culture on a nonselective agar may be required.

Annex B - Kit inserts

MALDI Biotyper



Standard Operating Procedure

Direct Transfer (DT) Procedure

1. Required Chemicals

- Deionized water
- Acetonitrile (ACN)
- Trifluoroacetic acid (TFA)
- Matrix HCCA; portioned # 8255344 (Referred to as HCCA in this SOP)
- Standard solvent (acetonitrile 50%, water 47.5% and trifluoroacetic acid 2.5%) from Sigma-Aldrich (# 19182), which has been tested by Bruker Daltonik GmbH and is recommended for solubilization of HCCA)¹
- Wooden application sticks, pipet tips or plastic inoculation loop to apply material
- 50–1000 µL pipet tips and a suitable pipet
- 2–200 µL pipet tips and a suitable pipet
- 0.5–10 µL pipet tips and a suitable pipet
- MALDI target plate

Note: Use only Eppendorf tubes (e.g. article no. 0030 120.086) and Eppendorf tips. Plasticizers may be released from other materials.

Note: Only use chemicals of highest purity (suitable for MALDI or HPLC).

Note: Please ensure that the BDAL Standard Library is used.

2. Required Laboratory Instrument

- Vortexer (Vortex Genie 2; # 9730060; Fisher Scientific or similar)

3. General Cultivation Conditions

Cultivation conditions have little effect on the identification. Media such as Columbia-Blood-Agar, Chocolate-Agar, or others can be used regardless of different growth phases or temperatures.

These different cultivation conditions produce only very small variations in observed peaks. Nearly all peaks are reproducible. Nevertheless the same medium and growth conditions should always be used for the cultivation of microorganisms.

If possible freshly grown material (grown overnight) should be used, or in the case of slow-growing bacteria, grown for several days. If cultivation plates are stored at 4°C the quality of spectra deteriorates relatively quickly (within a couple of days). Storing the plates at room temperature for several days is acceptable.

¹ Use commercially available standard solvent or mix 475 µL HPLC-grade water, 25 µL trifluoroacetic acid, and 500 µL acetonitrile in a 1.5 mL Eppendorf tube to produce 1 mL standard solvent. Store aliquots in screw cap tubes with screw cap tightly closed.

MALDI Biotyper



4. To prepare the HCCA matrix solution

1. Add 250 μ L standard solvent to a tube of HCCA.
2. Dissolve the HCCA by vortexing at room temperature until the solution is clear.

5. Direct Transfer Procedure:

1. Smear bacteria or yeast (single colony) as a thin film directly onto a spot on a MALDI target plate.

Note: Use only a small amount of material for direct transfer. Even if only a little biological material can be observed on the target, this is sufficient for measurement. For examples showing the correct amount of biological material please refer to the “**Demonstration Section**” at the end of this document.

2. Overlay the spot with 1 μ L of HCCA solution within 1 hour and allow to dry at room temperature.

6. Demonstration Section – “how much material is enough”

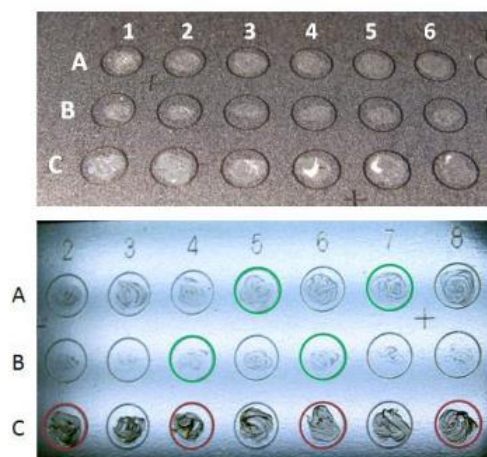


Fig 1: Different amounts of biological material: both pictures show the same MALDI target after sample application and before matrix addition; (entire row A) “appropriate amount” of biological material, (entire row B) small but still sufficient amount of biological material, (entire row C) too much biological material. Circles mark the target positions which were visualised as shown in Fig. 3 after matrix addition (as seen in flexControl).

MALDI Biotyper

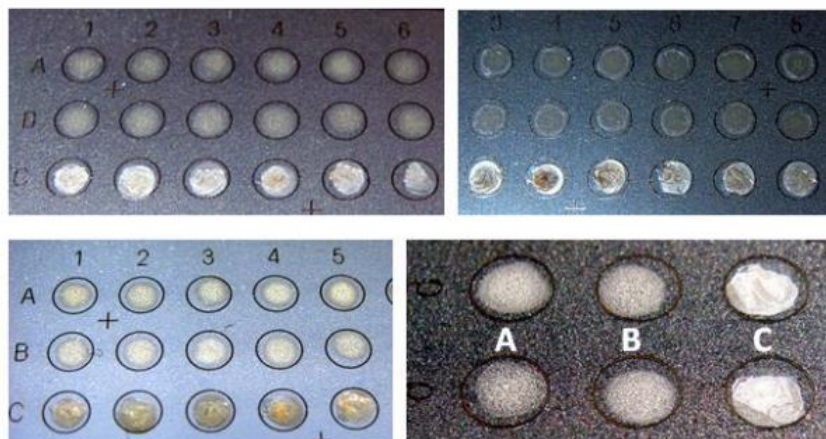


Fig 2: Same MALDI target as shown in Fig 1 after matrix application and drying.

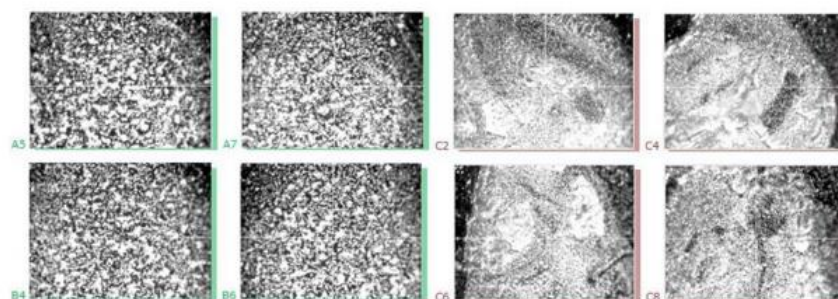


Fig 3: Illustration of crystal formation. "Camera image view" in flexControl:
A5, A7, B4, B6 demonstrate optimal crystal formation on spots where the correct or small (but still sufficient) amounts of biological material were smeared.
C2, C4, C6, C8 are examples for suboptimal crystal formation, due to excessive biological material applied in the direct transfer step, before application of the matrix.

All statements and applications pertaining to the MALDI Biotyper are for research use only.

Please send comments and questions to biotyper.support@bdal.de

Descriptions and specifications supersede all previous information and are subject to change without notice.

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MALDI Biotyper

Direct Transfer Technique



- Select colony from fresh culture plate



- Smear onto target plate



- Cover with HCCA matrix
> dry
> analyze



- Pick isolated colony with any sterile transfer device

Standard Operating Procedure

Extended Direct Transfer (eDT) Procedure

1. Required Chemicals

- 70% formic acid (FA)
- Deionized water
- Acetonitrile (ACN)
- Trifluoroacetic acid (TFA)
- Matrix HCCA, portioned; # 8255344 (referred to as HCCA in this SOP)
- Standard solvent (acetonitrile 50%, water 47.5% and trifluoroacetic acid 2.5%) from Sigma-Aldrich (# 19182), which has been tested by Bruker Daltonik GmbH and is recommended for solubilization of HCCA)¹
- Wooden application sticks, pipet tips or plastic inoculation loop to apply material
- 50–1000 µL pipet tips and a suitable pipet
- 2–200 µL pipet tips and a suitable pipet
- 0.5–10 µL pipet tips and a suitable pipet
- MALDI target plate

Note: Use only Eppendorf tubes (e.g. article no. 0030 120.086) and Eppendorf tips. Plasticizers may be released from other materials.

Note: Only use chemicals of highest purity (suitable for MALDI or HPLC).

Note: Please ensure that the BDAL Standard Library is used.

2. Required Laboratory Instrument

- Vortexer (Vortex Genie 2; # 9730060; Fisher Scientific or similar)

3. General Cultivation Conditions

Cultivation conditions have little effect on the identification. Media such as Columbia-Blood-Agar, Chocolate-Agar, or others can be used regardless of different growth phases or temperatures.

These different cultivation conditions produce only very small variations in observed peaks. Nearly all peaks are reproducible. Nevertheless the same medium and growth conditions should always be used for the cultivation of microorganisms.

If possible freshly grown material (grown overnight) should be used, or in the case of slow-growing bacteria, grown for several days. If cultivation plates are stored at 4°C the quality of spectra deteriorates relatively quickly (within a couple of days). Storing the plates at room temperature for several days is acceptable.

¹ Use commercially available standard solvent or mix 475 µL HPLC-grade water, 25 µL trifluoroacetic acid, and 500 µL acetonitrile in a 1.5 mL Eppendorf tube to produce 1 mL standard solvent. Store aliquots in screw cap tubes with screw cap tightly closed.

MALDI Biotyper



4. To prepare the HCCA matrix solution

1. Add 250 μ L standard solvent to a tube of HCCA.
2. Dissolve the HCCA by vortexing at room temperature until the solution is clear.

5. Extended Direct Transfer Procedure:

1. Smear bacteria or yeast (single colony) as a thin film directly onto a spot on a MALDI target plate.

Note: Use only a small amount of material for direct transfer. Even if only a little biological material can be observed on the MALDI target plate, this is sufficient for measurement.

2. Overlay the spot with 1 μ L of 70% FA and allow to dry at room temperature.
3. Immediately overlay the spot with 1 μ L of HCCA solution and allow to dry at room temperature.

All statements and applications pertaining to the MALDI Biotyper are for research use only.

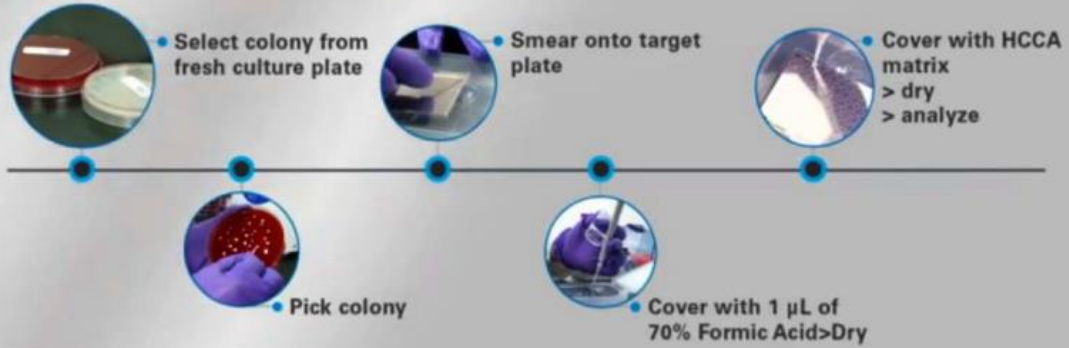
Please send comments and questions to biotyper.support@bdal.de

Descriptions and specifications supersede all previous information and are subject to change without notice.

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MALDI Biotyper

Extended Direct Transfer Technique



Standard Operating Procedure

Extraction (Ext) Procedure

1. Required Chemicals and Accessories

- Deionized water
- Absolute ethanol (EtOH)
- Acetonitrile (ACN)
- Formic acid (70%)
- Trifluoroacetic acid (TFA)
- Matrix HCCA, portioned; # 8255344 (referred to as HCCA in this SOP)
- Standard solvent (acetonitrile 50%, water 47.5% and trifluoroacetic acid 2.5%) from Sigma-Aldrich (# 19182), which has been tested by Bruker Daltonik GmbH and is recommended for solubilization of HCCA)¹
- Wooden application sticks, pipet tips or plastic inoculation loop to apply material
- 50–1000 µL pipet tips and a suitable pipet
- 2–200 µL pipet tips and a suitable pipet
- 0.5–10 µL pipet tips and a suitable pipet
- Microtube (Eppendorf Safe-Lock), PCR clean 1.5 mL
- MALDI Target Plate

Note: Use only Eppendorf tubes (e.g. article no. 0030 120.086) and Eppendorf tips. Plasticizers may be released from other materials.

Note: Only use chemicals of highest purity (suitable for MALDI or HPLC).

Note: Please ensure that the BDAL Standard Library is used.

2. Required Laboratory Instruments

- Benchtop centrifuge (Biofuge fresco; # 75005510; Thermo Scientific or similar)
- Vortexer (Vortex Genie 2; # 9730060; Fisher Scientific or similar)

¹ Use commercially available standard solvent or mix 475 µL HPLC-grade water, 25 µL trifluoroacetic acid, and 500 µL acetonitrile in a 1.5 mL Eppendorf tube to produce 1 mL standard solvent. Store aliquots in screw cap tubes with screw cap tightly closed.

3. General Cultivation Conditions

Cultivation conditions have little effect on the identification. Media such as Columbia-Blood-Agar, Chocolate-Agar, or others can be used regardless of different growth phases or temperatures.

These different cultivation conditions produce only very small variations in observed peaks. Nearly all peaks are reproducible. Nevertheless the same medium and growth conditions should always be used for the cultivation of microorganisms.

If possible freshly grown material (grown overnight) should be used, or in the case of slow-growing bacteria, grown for several days. If cultivation plates are stored at 4°C the quality of spectra deteriorates relatively quickly (within a couple of days). Storing the plates at room temperature for several days is acceptable.

4. To prepare the HCCA matrix solution

1. Add 250 µL standard solvent to a tube of HCCA.
2. Dissolve the HCCA by vortexing at room temperature until the solution is clear.

5. Extraction Procedure:

1. Pipette 300 µL deionized water into an Eppendorf tube.
2. Place a quantity of biological material (between one single colony and 5-10 mg) into the tube. Mix thoroughly. Pipetting or vortexing should be appropriate.
3. Add 900 µL EtOH, mix thoroughly.
4. Centrifuge at max speed (13,000 to 15,000 rpm) for 2 minutes, decant supernatant, centrifuge again and remove all the residual EtOH by carefully pipetting it off to waste without disturbing the pellet.
5. Allow the EtOH-pellet to dry at room temperature for at least 5 minutes.
6. Add 70% formic acid (1 to 80 µL) to the pellet and mix very well by pipetting and/or by vortexing.

Note: If only a little material (one single colony) was used, the volume of formic acid must be adjusted accordingly.

	small single colony	large single colony	1 µL inoculating loop	10 µL inoculating loop
Formic Acid 70%	1–5 µL	10–20 µL	20–40 µL	>40–80 µL
Acetonitrile	1–5 µL	10–20 µL	20–40 µL	>40–80 µL

7. Add pure ACN (1 to 80 µL) and mix carefully. Use the same volume as formic acid!
8. Centrifuge for 2 minutes at maximum speed, such that all material is collected neatly in a pellet.
9. Pipette 1 µL of supernatant onto a MALDI target plate and allow it to dry at room temperature.
10. Overlay the entire spot with 1 µL of HCCA solution within 1 hour and allow it to dry at room temperature.

All statements and applications pertaining to the MALDI Biotyper are for research use only.

Please send comments and questions to biotyper.support@bdal.de

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Annex C – Certificate of equivalence



STATEMENT

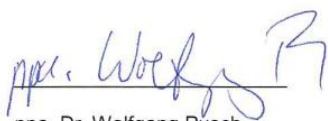
Equivalency of MBT 4.0 and MBT Compass

Bruker Daltonik GmbH manufactures devices and reagents based on the MALDI-TOF-MS. This method has proven to be a reliable method for the classification and identification of microorganisms.

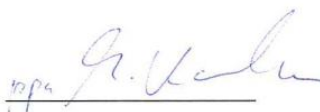
The microflex LT/SH and microflex LT/SH smart can be used qualitatively in conjunction with software, reference libraries, reagents and workflows. The MBT Compass software is equivalent to MBT 4.0 software in the following points:

- Instrument control software: flexControl
- Recorded mass range: 2,000 – 20,000 m/z
- Matching Algorithm (calculates matches by comparing a new spectrum against each single reference entry of a reference database)
- Current database
- Workflow
- Calibration and Quality Control
- The same rationale for data interpretation

Bruker Daltonik GmbH is certified according to ISO 9001:2008 and to ISO 13485:2012. Our devices are approved worldwide (including the European Union (IVD-CE Mark), the USA (FDA) and in China (CFDA) and are successfully established worldwide in the medical device market and for research and development and quality assurance purposes. The products of the Bruker Daltonik GmbH are manufactured to high quality.

A handwritten signature in blue ink, appearing to read "ppa. Dr. Wolfgang Pusch".

ppa. Dr. Wolfgang Pusch
Executive Vice President
Business Area Clinical MALDI

A handwritten signature in blue ink, appearing to read "ppa. Dr. Markus Kostrzewa".

ppa. Dr. Markus Kostrzewa
Vice President
Clinical Mass Spectrometry, R&D

Bremen, 2016-12-06

Innovation with Integrity

Method Comparison Study	
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Annex E - Raw data inclusivity study

See Excel File: 2017LR75 - Microval MCS and ILS *Listeria* spp and mono (Version 1).xlsx; Tab «Tab “Raw data L.spp Incl” and “Raw data L.mono Incl”»

Annex F - Raw data exclusivity study

See Excel File: 2017LR75 - Microval MCS AND ILS *Listeria* spp and mono (Version 1).xlsx; Tab "Raw data L.spp Excl" and "Raw data L.mono Excl"

Annex G - Results inclusivity study:

+: the strain was confirmed to be the target -: the strain was not confirmed to be the target NOIP: NO Organism Identification Possible

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
1	<i>Listeria</i>	<i>grayi</i>	Ad1198	Smoked salmon		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
2	<i>Listeria</i>	<i>grayi</i>	Ad1229	Chitterling		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
3	<i>Listeria</i>	<i>grayi</i>	Ad1295	Spinash		Adria	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
4	<i>Listeria</i>	<i>grayi</i>	Ad1296	Vegetables		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
5	<i>Listeria</i>	<i>grayi</i>	Ad1443	Pork fat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
6	<i>Listeria</i>	<i>grayi</i>	Ad1444	Ham		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
7	<i>Listeria</i>	<i>grayi</i>	Ad1490	Fish and vegetable pie		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
8	<i>Listeria</i>	<i>grayi</i>	Ad1504	Salmon terrine		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
9	<i>Listeria</i>	<i>grayi</i>	Ad2064	Fermented sausage		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
10	<i>Listeria</i>	<i>grayi</i>	Ad2148	Rillette		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
11	<i>Listeria</i>	<i>grayi</i>	Ad2415	Rillette		Adria	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	+	PA	IA
12	<i>Listeria</i>	<i>innocua</i>	Ad 1230	Seafood product		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
13	<i>Listeria</i>	<i>innocua</i>	Ad1231	Deli salad		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
14	<i>Listeria</i>	<i>innocua</i>	Ad 1675	Fish		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
15	<i>Listeria</i>	<i>innocua</i>	Ad 1676	RT reheat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
16	<i>Listeria</i>	<i>innocua</i>	Ad 1771	Ewe milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
17	<i>Listeria</i>	<i>innocua</i>	Ad2414	Pasteurized cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																										
Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
18	<i>Listeria</i>	<i>innocua</i>	Ad 643	Veal meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
19	<i>Listeria</i>	<i>innocua</i>	Ad 655	Brine		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
20	<i>Listeria</i>	<i>innocua</i>	Ad 657	Raw milk cheese (cantal)		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
21	<i>Listeria</i>	<i>innocua</i>	Ad 661	Raw milk cheese (Pont L'Evêque)		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
22	<i>Listeria</i>	<i>innocua</i>	Ad 663	Dairy environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
23	<i>Listeria</i>	<i>innocua</i>	Ad 671	Smoked pork meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
24	<i>Listeria</i>	<i>ivanovii</i>	Ad1288	Ewe milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
25	<i>Listeria</i>	<i>ivanovii</i>	Ad1289	Raw milk cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
26	<i>Listeria</i>	<i>ivanovii</i>	Ad1290	Milk powder		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
27	<i>Listeria</i>	<i>ivanovii</i>	Ad1292	Merguez		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
28	<i>Listeria</i>	<i>ivanovii</i>	Ad1308	Raw sheep meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
29	<i>Listeria</i>	<i>ivanovii</i>	Ad1737	Raw milk cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
30	<i>Listeria</i>	<i>ivanovii</i>	Ad1768	Ewe milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
31	<i>Listeria</i>	<i>ivanovii</i>	Ad616	Dairy environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
32	<i>Listeria</i>	<i>ivanovii</i>	Ad676	Pork cheek		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
33	<i>Listeria</i>	<i>ivanovii</i>	Ad677	Shrimp		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
34	<i>Listeria</i>	<i>ivanovii</i>	Ad678	Ewe cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
35	<i>Listeria</i>	<i>ivanovii</i>	Ad991	Raw milk cheese (Roquefort)		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
36	<i>Listeria</i>	<i>monocytogenes</i>	153	Soft cheese (Munster)	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
37	<i>Listeria</i>	<i>monocytogenes</i>	1972/2399	Puff pastry with mushrooms	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
38	<i>Listeria</i>	<i>monocytogenes</i>	1973/2400	Puff pastry egg and ham (Quiche lorraine)	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
39	Listeria	monocytogenes	2407/3139	Tripes with tomatoes	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
40	Listeria	monocytogenes	32.183	Croque-Monsieur	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
41	Listeria	monocytogenes	5721/6179	Smoked bacon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
42	Listeria	monocytogenes	7111/7516	Pâté (Rillettes)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
43	Listeria	monocytogenes	913/1 048	Black pudding	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
44	Listeria	monocytogenes	A00C040	Cooked delicatessen (Museau)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
45	Listeria	monocytogenes	A00C041	Sausage	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
46	Listeria	monocytogenes	A00C042	Raw sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
47	Listeria	monocytogenes	A00C043	Smoked Bacon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
48	Listeria	monocytogenes	A00C044	Poultry (duck)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
49	Listeria	monocytogenes	A00C052	RTE food (Osso bucco with turkey)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
50	Listeria	monocytogenes	A00C054	Beef heart	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
51	Listeria	monocytogenes	A00M032	Smoked salmon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
52	Listeria	monocytogenes	A00M088	Smoked salmon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
53	Listeria	monocytogenes	Ad235	Poultry	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
54	Listeria	monocytogenes	Ad249	Environmental sample	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
55	Listeria	monocytogenes	Ad253	Hard cheese	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
56	Listeria	monocytogenes	Ad260	Semi hard cheese	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
57	Listeria	monocytogenes	Ad265	Tongue	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
58	Listeria	monocytogenes	Ad266	Poultry	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
59	Listeria	monocytogenes	Ad267	Dry sausage	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
60	<i>Listeria</i>	<i>monocytogenes</i>	Ad268	Cured ham	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
61	<i>Listeria</i>	<i>monocytogenes</i>	Ad270	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
62	<i>Listeria</i>	<i>monocytogenes</i>	Ad272	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
63	<i>Listeria</i>	<i>monocytogenes</i>	Ad273	Cured delicatessen	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
64	<i>Listeria</i>	<i>monocytogenes</i>	Ad274	Ready-to-eat food (Asiatic meal)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
65	<i>Listeria</i>	<i>monocytogenes</i>	Ad285	Green pepper	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
66	<i>Listeria</i>	<i>monocytogenes</i>	Ad494	Deli salad (piémontaise)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
67	<i>Listeria</i>	<i>seeligeri</i>	Ad1237	Raw milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
68	<i>Listeria</i>	<i>seeligeri</i>	Ad1267	Smoked fish environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
69	<i>Listeria</i>	<i>seeligeri</i>	Ad1293	Parsley		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
70	<i>Listeria</i>	<i>seeligeri</i>	Ad1297	Merguez		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
71	<i>Listeria</i>	<i>seeligeri</i>	Ad1754	Zucchini		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
72	<i>Listeria</i>	<i>seeligeri</i>	Ad1780	Raw milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
73	<i>Listeria</i>	<i>seeligeri</i>	Ad1782	Raw milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
74	<i>Listeria</i>	<i>seeligeri</i>	Ad2634	Trout		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
75	<i>Listeria</i>	<i>seeligeri</i>	Ad2637	Trout		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
76	<i>Listeria</i>	<i>seeligeri</i>	Ad649	Cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
77	<i>Listeria</i>	<i>seeligeri</i>	Ad651	Environment sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
78	<i>Listeria</i>	<i>seeligeri</i>	Ad652	Dairy environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
79	<i>Listeria</i>	<i>seeligeri</i>	Ad674	Cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
80	<i>Listeria</i>	<i>seeligeri</i>	BR18	Environment sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>		
N	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
81	<i>Listeria</i>	<i>welshimeri</i>	Ad1175	Fried rize		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
82	<i>Listeria</i>	<i>welshimeri</i>	Ad1204	Ham		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
83	<i>Listeria</i>	<i>welshimeri</i>	Ad1211	Frozen ground beef meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
84	<i>Listeria</i>	<i>welshimeri</i>	Ad1223	Beef meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
85	<i>Listeria</i>	<i>welshimeri</i>	Ad1228	Turkey meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
86	<i>Listeria</i>	<i>welshimeri</i>	Ad1234	Sausages		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
87	<i>Listeria</i>	<i>welshimeri</i>	Ad1262	Slaughterhouse environment sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
88	<i>Listeria</i>	<i>welshimeri</i>	Ad1269	Smoked fish environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
89	<i>Listeria</i>	<i>welshimeri</i>	Ad1667	Raw milk cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
90	<i>Listeria</i>	<i>welshimeri</i>	Ad1670	Rosette		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
91	<i>Listeria</i>	<i>welshimeri</i>	Ad1671	Smoked sausage		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
92	<i>Listeria</i>	<i>coloradensis</i>	ATCC BAA-2414	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	NO IP	No result	No result	+	PA	IA	+	PA	IA
93	<i>Listeria</i>	<i>cornellensis</i>	FSL F6-0969	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
94	<i>Listeria</i>	<i>fleischmannii</i>	FSL S10-1203	Not Available		Q Labs	+	NO IP	No result	No result	+	PA	IA	+	PA	IA	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
95	<i>Listeria</i>	<i>floridensis</i>	FSL S10-1187	Not Available		Q Labs	+	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
96	<i>Listeria</i>	<i>grandensis</i>	FSL F6-0971	Not Available		Q Labs	+	+	PA	IA	No peak	No result	No result	No peak	No result	No result	NO IP	No result	No result	+	PA	IA	+	PA	IA
97	<i>Listeria</i>	<i>grayi</i>	ATCC 700545	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
98	<i>Listeria</i>	<i>grayi</i>	NCTC 10812	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)

INCLUSIVITY - <i>Listeria</i> spp.																										
Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
99	<i>Listeria</i>	<i>grayi</i>	QL 030911-12	Industry		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
100	<i>Listeria</i>	<i>grayi</i>	QL 051111-1	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
101	<i>Listeria</i>	<i>grayi</i>	QL 051111-2	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
102	<i>Listeria</i>	<i>grayi</i>	QL 051111-3	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
103	<i>Listeria</i>	<i>grayi</i>	QL 051111-4	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
104	<i>Listeria</i>	<i>grayi</i>	QL 051111-5	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
105	<i>Listeria</i>	<i>grayi</i>	QL 051111-6	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
106	<i>Listeria</i>	<i>grayi</i>	QL 051111-7	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
107	<i>Listeria</i>	<i>grayi</i>	UVM LGRA001	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
108	<i>Listeria</i>	<i>innocua</i>	ATCC 33090	Cow brain		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
109	<i>Listeria</i>	<i>innocua</i>	QL 030911-1	Fish		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
110	<i>Listeria</i>	<i>innocua</i>	QL 030911-2	Fish		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
111	<i>Listeria</i>	<i>innocua</i>	QL 32811.1	Seasoning Powder		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
112	<i>Listeria</i>	<i>innocua</i>	QL 32811.2	Seasoning Powder		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
113	<i>Listeria</i>	<i>innocua</i>	QL 32811.3	Seasoning Powder		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
114	<i>Listeria</i>	<i>innocua</i>	UVM 11/2	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
115	<i>Listeria</i>	<i>innocua</i>	UVM 167	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
116	<i>Listeria</i>	<i>innocua</i>	UVM 217	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
117	<i>Listeria</i>	<i>innocua</i>	UVM 658	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
118	<i>Listeria</i>	<i>innocua</i>	UVM 661	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
119	<i>Listeria</i>	<i>innocua</i>	UVM 662	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
120	<i>Listeria</i>	<i>innocua</i>	UVM 663	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
121	<i>Listeria</i>	<i>innocua</i>	UVM 668	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
122	<i>Listeria</i>	<i>innocua</i>	UVM 670	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
123	<i>Listeria</i>	<i>innocua</i>	UVM 897	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
124	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA-139	Washing water		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
125	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA-678	Sheep fetus		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
126	<i>Listeria</i>	<i>ivanovii</i>	QL 030911-10	Clinical Isolate		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
127	<i>Listeria</i>	<i>ivanovii</i>	QL 030911-11	Clinical		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
128	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv004	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
129	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv005	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
130	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv006	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
131	<i>Listeria</i>	<i>londoniensis</i>	QL 030911-9	Clinical		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
132	<i>Listeria</i>	<i>marthii</i>	ATCC BAA-1595	Soil		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
133	<i>Listeria</i>	<i>riparia</i>	FSL S10-1204	Not Available		Q Labs	+	NOIP	No result	No result	NOIP	No result	No result	NOIP	No result	No result	NOIP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
134	<i>Listeria</i>	<i>rocourtiae</i>	FSL F6-0920	Not Available		Q Labs	+	+	PA	IA	NOIP	No result	No result	+	PA	IA	+	PA	IA	+	PA	IA	NOIP	No result	No result
135	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11289	Human feces		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
136	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11856	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
137	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11889	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
138	<i>Listeria</i>	<i>seeligeri</i>	ATCC 51334	<i>Intesti/I content of Clethrionomys glareolus</i>		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
139	<i>Listeria</i>	<i>seeligeri</i>	ATCC 51335	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
140	<i>Listeria</i>	<i>seeligeri</i>	FSL-S4-035	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

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Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
141	<i>Listeria</i>	<i>seeligeri</i>	QL 031011-1	Creamer		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
142	<i>Listeria</i>	<i>seeligeri</i>	QL 031011-2	Creamer		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
143	<i>Listeria</i>	<i>seeligeri</i>	QL 031011-5	Creamer		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
144	<i>Listeria</i>	<i>seeligeri</i>	QL 030911-6	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
145	<i>Listeria</i>	<i>weihenstephensis</i>	FSL R9-0317	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
146	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43548	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
147	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43549	Soil		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
148	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43550	Human feces		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
149	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43551	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
150	<i>Listeria</i>	<i>welshimeri</i>	QL 030911-7	Beef		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
151	<i>Listeria</i>	<i>welshimeri</i>	QL 030911-8	Beef		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
152	<i>Listeria</i>	<i>welshimeri</i>	QL 040713.1	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
153	<i>Listeria</i>	<i>welshimeri</i>	UVM LW001	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
154	<i>Listeria</i>	<i>welshimeri</i>	UVM LW002	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																											
Target Strain							Reference method	Alternative method																			
								LT/SH MALDI-MS System																			
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono				
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation		
155	<i>Listeria</i>	<i>welshimeri</i>	UVM LW003	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA		
Total	N								155				155				155				155				155		
	PA								152				151				147				150				148		
	ND								0				0				0				0				0		
	NA								0				0				0				0				0		
	NA (no growth)								0				0				5				0				4		
	PD								0				0				0				0				0		
	No result								3				4				3				5				3		

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N°	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
1	<i>Listeria</i>	<i>grayi</i>	Ad1198	Smoked salmon		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
2	<i>Listeria</i>	<i>grayi</i>	Ad1229	Chitterling		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
3	<i>Listeria</i>	<i>grayi</i>	Ad1295	Spinash		Adria	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
4	<i>Listeria</i>	<i>grayi</i>	Ad1296	Vegetables		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
5	<i>Listeria</i>	<i>grayi</i>	Ad1443	Pork fat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
6	<i>Listeria</i>	<i>grayi</i>	Ad1444	Ham		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
7	<i>Listeria</i>	<i>grayi</i>	Ad1490	Fish and vegetable pie		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
8	<i>Listeria</i>	<i>grayi</i>	Ad1504	Salmon terrine		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
9	<i>Listeria</i>	<i>grayi</i>	Ad2064	Fermented sausage		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
10	<i>Listeria</i>	<i>grayi</i>	Ad2148	Rillette		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA
11	<i>Listeria</i>	<i>grayi</i>	Ad2415	Rillette		Adria	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	+	PA	IA
12	<i>Listeria</i>	<i>innocua</i>	Ad 1230	Seafood product		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
13	<i>Listeria</i>	<i>innocua</i>	Ad1231	Deli salad		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
14	<i>Listeria</i>	<i>innocua</i>	Ad 1675	Fish		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
15	<i>Listeria</i>	<i>innocua</i>	Ad 1676	RT reheat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
16	<i>Listeria</i>	<i>innocua</i>	Ad 1771	Ewe milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
17	<i>Listeria</i>	<i>innocua</i>	Ad2414	Pasteurized cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

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								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N°	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
18	<i>Listeria</i>	<i>innocua</i>	Ad 643	Veal meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
19	<i>Listeria</i>	<i>innocua</i>	Ad 655	Brine		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
20	<i>Listeria</i>	<i>innocua</i>	Ad 657	Raw milk cheese (cantal)		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
21	<i>Listeria</i>	<i>innocua</i>	Ad 661	Raw milk cheese (Pont L'Evêque)		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
22	<i>Listeria</i>	<i>innocua</i>	Ad 663	Dairy environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
23	<i>Listeria</i>	<i>innocua</i>	Ad 671	Smoked pork meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
24	<i>Listeria</i>	<i>ivanovii</i>	Ad1288	Ewe milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
25	<i>Listeria</i>	<i>ivanovii</i>	Ad1289	Raw milk cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
26	<i>Listeria</i>	<i>ivanovii</i>	Ad1290	Milk powder		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
27	<i>Listeria</i>	<i>ivanovii</i>	Ad1292	Merguez		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
28	<i>Listeria</i>	<i>ivanovii</i>	Ad1308	Raw sheep meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
29	<i>Listeria</i>	<i>ivanovii</i>	Ad1737	Raw milk cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
30	<i>Listeria</i>	<i>ivanovii</i>	Ad1768	Ewe milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
31	<i>Listeria</i>	<i>ivanovii</i>	Ad616	Dairy environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
32	<i>Listeria</i>	<i>ivanovii</i>	Ad676	Pork cheek		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
33	<i>Listeria</i>	<i>ivanovii</i>	Ad677	Shrimp		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
34	<i>Listeria</i>	<i>ivanovii</i>	Ad678	Ewe cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
35	<i>Listeria</i>	<i>ivanovii</i>	Ad991	Raw milk cheese (Roquefort)		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
36	<i>Listeria</i>	<i>monocytogenes</i>	153	Soft cheese (Munster)	VIb	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
37	<i>Listeria</i>	<i>monocytogenes</i>	1972/2399	Puff pastry with mushrooms	VIb	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
38	<i>Listeria</i>	<i>monocytogenes</i>	1973/2400	Puff pastry egg and ham (Quiche lorraine)	VIb	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
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39	<i>Listeria</i>	<i>monocytogenes</i>	2407/3139	Tripes with tomatoes	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
40	<i>Listeria</i>	<i>monocytogenes</i>	32.183	Croque-Monsieur	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
41	<i>Listeria</i>	<i>monocytogenes</i>	5721/6179	Smoked bacon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
42	<i>Listeria</i>	<i>monocytogenes</i>	7111/7516	Pâté (Rillettes)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
43	<i>Listeria</i>	<i>monocytogenes</i>	913/1 048	Black pudding	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
44	<i>Listeria</i>	<i>monocytogenes</i>	A00C040	Cooked delicatessen (Museau)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
45	<i>Listeria</i>	<i>monocytogenes</i>	A00C041	Sausage	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
46	<i>Listeria</i>	<i>monocytogenes</i>	A00C042	Raw sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
47	<i>Listeria</i>	<i>monocytogenes</i>	A00C043	Smoked Bacon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
48	<i>Listeria</i>	<i>monocytogenes</i>	A00C044	Poultry (duck)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
49	<i>Listeria</i>	<i>monocytogenes</i>	A00C052	RTE food (Osso bucco with turkey)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
50	<i>Listeria</i>	<i>monocytogenes</i>	A00C054	Beef heart	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
51	<i>Listeria</i>	<i>monocytogenes</i>	A00M032	Smoked salmon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
52	<i>Listeria</i>	<i>monocytogenes</i>	A00M088	Smoked salmon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
53	<i>Listeria</i>	<i>monocytogenes</i>	Ad235	Poultry	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
54	<i>Listeria</i>	<i>monocytogenes</i>	Ad249	Environmental sample	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
55	<i>Listeria</i>	<i>monocytogenes</i>	Ad253	Hard cheese	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
56	<i>Listeria</i>	<i>monocytogenes</i>	Ad260	Semi hard cheese	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
57	<i>Listeria</i>	<i>monocytogenes</i>	Ad265	Tongue	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
58	<i>Listeria</i>	<i>monocytogenes</i>	Ad266	Poultry	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
59	<i>Listeria</i>	<i>monocytogenes</i>	Ad267	Dry sausage	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
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60	<i>Listeria</i>	<i>monocytogenes</i>	Ad268	Cured ham	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
61	<i>Listeria</i>	<i>monocytogenes</i>	Ad270	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
62	<i>Listeria</i>	<i>monocytogenes</i>	Ad272	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
63	<i>Listeria</i>	<i>monocytogenes</i>	Ad273	Cured delicatessen	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
64	<i>Listeria</i>	<i>monocytogenes</i>	Ad274	Ready-to-eat food (Asiatic meal)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
65	<i>Listeria</i>	<i>monocytogenes</i>	Ad285	Green pepper	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
66	<i>Listeria</i>	<i>monocytogenes</i>	Ad494	Deli salad (piémontaise)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
67	<i>Listeria</i>	<i>seeligeri</i>	Ad1237	Raw milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
68	<i>Listeria</i>	<i>seeligeri</i>	Ad1267	Smoked fish environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
69	<i>Listeria</i>	<i>seeligeri</i>	Ad1293	Parsley		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
70	<i>Listeria</i>	<i>seeligeri</i>	Ad1297	Merguez		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
71	<i>Listeria</i>	<i>seeligeri</i>	Ad1754	Zucchini		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
72	<i>Listeria</i>	<i>seeligeri</i>	Ad1780	Raw milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
73	<i>Listeria</i>	<i>seeligeri</i>	Ad1782	Raw milk		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
74	<i>Listeria</i>	<i>seeligeri</i>	Ad2634	Trout		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
75	<i>Listeria</i>	<i>seeligeri</i>	Ad2637	Trout		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
76	<i>Listeria</i>	<i>seeligeri</i>	Ad649	Cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
77	<i>Listeria</i>	<i>seeligeri</i>	Ad651	Environment sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
78	<i>Listeria</i>	<i>seeligeri</i>	Ad652	Dairy environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
79	<i>Listeria</i>	<i>seeligeri</i>	Ad674	Cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
80	<i>Listeria</i>	<i>seeligeri</i>	BR18	Environment sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
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								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N°	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
81	<i>Listeria</i>	<i>welshimeri</i>	Ad1175	Fried rize		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
82	<i>Listeria</i>	<i>welshimeri</i>	Ad1204	Ham		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
83	<i>Listeria</i>	<i>welshimeri</i>	Ad1211	Frozen ground beef meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
84	<i>Listeria</i>	<i>welshimeri</i>	Ad1223	Beef meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
85	<i>Listeria</i>	<i>welshimeri</i>	Ad1228	Turkey meat		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
86	<i>Listeria</i>	<i>welshimeri</i>	Ad1234	Sausages		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
87	<i>Listeria</i>	<i>welshimeri</i>	Ad1262	Slaughterhouse environment sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
88	<i>Listeria</i>	<i>welshimeri</i>	Ad1269	Smoked fish environmental sample		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
89	<i>Listeria</i>	<i>welshimeri</i>	Ad1667	Raw milk cheese		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
90	<i>Listeria</i>	<i>welshimeri</i>	Ad1670	Rosette		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
91	<i>Listeria</i>	<i>welshimeri</i>	Ad1671	Smoked sausage		Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
92	<i>Listeria</i>	<i>coloradensis</i>	ATCC BAA-2414	Not Available		Q Labs	+	NO IP	No result	No result	NO IP	No result	No result	+	PA	IA	NO IP	No result	No result	+	PA	IA	NOIP	No result	No result
93	<i>Listeria</i>	<i>cornellensis</i>	FSL F6-0969	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
94	<i>Listeria</i>	<i>fleischmannii</i>	FSL S10-1203	Not Available		Q Labs	+	NO IP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
95	<i>Listeria</i>	<i>floridensis</i>	FSL S10-1187	Not Available		Q Labs	+	NO IP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
96	<i>Listeria</i>	<i>grandensis</i>	FSL F6-0971	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	No peak	No result	No result	NO IP	No result	No result	+	PA	IA	NOIP	No result	No result
97	<i>Listeria</i>	<i>grayi</i>	ATCC 700545	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
98	<i>Listeria</i>	<i>grayi</i>	NCTC 10812	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)

INCLUSIVITY - <i>Listeria</i> spp.																										
Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-smart System																		
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
N°	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation		
99	<i>Listeria</i>	<i>grayi</i>	QL 030911-12	Industry		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
100	<i>Listeria</i>	<i>grayi</i>	QL 051111-1	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
101	<i>Listeria</i>	<i>grayi</i>	QL 051111-2	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
102	<i>Listeria</i>	<i>grayi</i>	QL 051111-3	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
103	<i>Listeria</i>	<i>grayi</i>	QL 051111-4	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
104	<i>Listeria</i>	<i>grayi</i>	QL 051111-5	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
105	<i>Listeria</i>	<i>grayi</i>	QL 051111-6	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
106	<i>Listeria</i>	<i>grayi</i>	QL 051111-7	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
107	<i>Listeria</i>	<i>grayi</i>	UVM LGRA001	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	
108	<i>Listeria</i>	<i>innocua</i>	ATCC 33090	Cow brain		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
109	<i>Listeria</i>	<i>innocua</i>	QL 030911-1	Fish		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
110	<i>Listeria</i>	<i>innocua</i>	QL 030911-2	Fish		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
111	<i>Listeria</i>	<i>innocua</i>	QL 32811.1	Seasoning Powder		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
112	<i>Listeria</i>	<i>innocua</i>	QL 32811.2	Seasoning Powder		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N°	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
113	<i>Listeria</i>	<i>innocua</i>	QL 32811.3	Seasoning Powder		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
114	<i>Listeria</i>	<i>innocua</i>	UVM 11/2	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
115	<i>Listeria</i>	<i>innocua</i>	UVM 167	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
116	<i>Listeria</i>	<i>innocua</i>	UVM 217	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
117	<i>Listeria</i>	<i>innocua</i>	UVM 658	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
118	<i>Listeria</i>	<i>innocua</i>	UVM 661	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
119	<i>Listeria</i>	<i>innocua</i>	UVM 662	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
120	<i>Listeria</i>	<i>innocua</i>	UVM 663	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
121	<i>Listeria</i>	<i>innocua</i>	UVM 668	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
122	<i>Listeria</i>	<i>innocua</i>	UVM 670	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
123	<i>Listeria</i>	<i>innocua</i>	UVM 897	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
124	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA-139	Washing water		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
125	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA-678	Sheep fetus		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
126	<i>Listeria</i>	<i>ivanovii</i>	QL 030911-10	Clinical Isolate		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N°	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
127	<i>Listeria</i>	<i>ivanovii</i>	QL 030911-11	Clinical		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
128	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv004	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
129	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv005	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
130	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv006	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
131	<i>Listeria</i>	<i>londoniensis</i>	QL 030911-9	Clinical		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
132	<i>Listeria</i>	<i>marthii</i>	ATCC BAA-1595	Soil		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
133	<i>Listeria</i>	<i>riparia</i>	FSL S10-1204	Not Available		Q Labs	+	NO IP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
134	<i>Listeria</i>	<i>rocourtiae</i>	FSL F6-0920	Not Available		Q Labs	+	NO IP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NO IP	No result	No result	NOIP	No result	No result	NOIP	No result	No result
135	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11289	Human feces		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
136	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11856	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
137	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11889	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
138	<i>Listeria</i>	<i>seeligeri</i>	ATCC 51334	Intesti'l content of <i>Clethrionomys glareolus</i>		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
139	<i>Listeria</i>	<i>seeligeri</i>	ATCC 51335	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
140	<i>Listeria</i>	<i>seeligeri</i>	FSL-S4-035	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N°	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
141	<i>Listeria</i>	<i>seeligeri</i>	QL 031011-1	Creamer		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
142	<i>Listeria</i>	<i>seeligeri</i>	QL 031011-2	Creamer		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
143	<i>Listeria</i>	<i>seeligeri</i>	QL 031011-5	Creamer		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
144	<i>Listeria</i>	<i>seeligeri</i>	QL 030911-6	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
145	<i>Listeria</i>	<i>weihenstephensis</i>	FSL R9-0317	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	- (no growth)	NA (no growth)	NA (no growth)
146	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43548	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
147	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43549	Soil		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
148	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43550	Human feces		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
149	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43551	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
150	<i>Listeria</i>	<i>welshimeri</i>	QL 030911-7	Beef		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
151	<i>Listeria</i>	<i>welshimeri</i>	QL 030911-8	Beef		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
152	<i>Listeria</i>	<i>welshimeri</i>	QL 040713.1	Unknown		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
153	<i>Listeria</i>	<i>welshimeri</i>	UVM LW001	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
154	<i>Listeria</i>	<i>welshimeri</i>	UVM LW002	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria</i> spp.																										
Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-smart System																		
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID [®] <i>L.mono</i>			
N°	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation		
155	<i>Listeria</i>	<i>welshimeri</i>	UVM LW003	Not Available		Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	
Total	N								155			155			155			155			155			155		
	PA								150			150			145			149			147			134		
	ND								0			0			0			0			0			0		
	NA								0			0			0			0			0			0		
	NA (no growth)								0			0			5			0			4			15		
	PD								0			0			0			0			0			0		
	No result								5			5			5			6			4			6		

Annex H - Results exclusivity study- *Listeria* spp.

NOIP: NO Organism Identification Possible

EXCLUSIVITY - Listeria spp																										
Non-target Strain							Refer ence meth od	Alternative method																		
								LT/SH MALDI-MS System																		
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	
1	Bacillus	cereus	16		Ready to eat (seafood)	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
2	Bacillus	cereus	21		Cooked rice	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
3	Bacillus	circulans	Ad734		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA	
4	Bacillus	circulans	Ad760		Mashed vegetables	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
5	Bacillus	coagulans	Ad732		Dairy product	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
6	Bacillus	coagulans	Ad1281		Raw milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
7	Bacillus	licheniformi s	Ad741		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA	
8	Bacillus	licheniformi s	Ad798		Egg product	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
9	Bacillus	mycoïdes	Ad763		Pasteurized vegetable	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
10	Bacillus	pseudomyc oides	Ad767		Dairy product	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
11	Bacillus	pseudomyc oides	Ad765		Vegetables	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
12	Bacillus	pumilus	Ad733		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
13	Bacillus	pumilus	Ad768		Vegetables	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	

EXCLUSIVITY - Listeria spp																										
Non-target Strain							Refer ence meth od	Alternative method																		
								LT/SH MALDI-MS System																		
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	
14	Bacillus	subtilis	Ad839		Chocolate	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
15	Bacillus	thuringiens	Ad773		Vegetables	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
16	Bacillus	thuringiens	Ad2067		Uknow	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
17	Bacillus	weihenstephanensis	Ad726		Egg product	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
18	Bacillus	weihenstephanensis	Ad778		Purée	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
19	Enterococcus	avium	Ad 183	Enterococcus malodoratus	Whole egg	Adri a	-	-	NA	EA EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
20	Enterococcus	casseliflavus	Ad1346		Water	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
21	Enterococcus	durans	Ad 181	Enterococcus faecium / hirae / durans	Whole egg	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
22	Enterococcus	faecalis	Ad 602		Raw milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
23	Enterococcus	faecalis	25		Poultry meat	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
24	Enterococcus	faecalis	Ad547		Pancake	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
25	Enterococcus	faecium	Ad177		Pasteurised whole egg	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
26	Enterococcus	gallinarum	Ad1145	Enterococcus casseliflavus / gallinarum	Guacamole	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
27	Enterococcus	hirae	Ad1392		Sea water	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - Listeria spp																									
Non-target Strain							Refer ence meth od	Alternative method																	
								LT/SH MALDI-MS System																	
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation
28	Enterococc us	mundtii	Ad1365		Stream	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
29	Lactobacill us	acidophilus	93L822		Raw milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
30	Lactobacill us	sakei	Ad1150		Delicatessen	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
31	Lactobacill us	sunkii	Ad1819		Ready to eat	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
32	Lactococcu s	casei	Ad469	Leuconostoc mesenteroides	Whole egg	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
33	Lactococcu s	lactis	Ad 425		Ferment	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
34	Lactococcu s	plantarum	Ad1147		Guacamole	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
35	Leuconost oc	carneus	Ad386		Ham	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
36	Leuconost oc	citreum	Ad604	Enterococcus faecalis	Raw milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
37	Leuconost oc	pseudomes enteroides	Ad835		Dairy desert	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
38	Lysinibacill us	sphaericus	Ad872		Dairy product	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
39	Lysinibacill us	sphaericus	Ad724	Lysinibacillus fusiformis	Unknown	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	No peak	No result	No result	-	NA	EA	-	NA	EA
40	Pseudomo nas	fragi	Ad1327		Whole liquid egg	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
41	Pseudomo nas	veronii	Ad1588		Environmental sample	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - Listeria spp																										
Non-target Strain							Refer ence meth od	Alternative method																		
								LT/SH MALDI-MS System																		
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
							Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation		
42	Staphylo ccus	aureus	Ad906		Sausage	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	NOIP	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
43	Staphylo ccus	epidermidis	Ad931	Micrococcus luteus	Fruit	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
44	Staphylo ccus	equorum	Ad1099		Cheese	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
45	Staphylo ccus	haemolyticu s	Ad989		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
46	Staphylo ccus	hominis	Ad849		Unknow	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
47	Staphylo ccus	hyicus	CIP81.5 8		Porc	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
48	Staphylo ccus	intermedius	CIP8177	Staphylococcu s intermedius / delphini / pseudintermedi us	Dog	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
49	Staphylo ccus	pasteurii	Ad1717		Whole egg	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
50	Staphylo ccus	saprophytic us	Ad866		Milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
51	Streptococ cus	bovis	92L613		Cheese	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
52	Streptococ cus	salivarius	Ad 441		Milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
53	Aeromona s	hydrophila	ATCC 49140		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
54	Aerococcu s	viridans	QL 17041.8		Raw Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - Listeria spp																										
Non-target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
N	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
								Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
55	Bacillus	cereus	QL 15166-1		Psyllium	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
56	Bacillus	licheniformis	ATCC 12759		Cassava tuber plant	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
57	Burkholderia*	cepacia	ATCC 25416		Plant-derived foodstuff	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
58	Carnobacterium	gallinarum	ATCC 49517		Ice slush from around chicken carcasses	Q Lab s	-	No peak	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
59	Carnobacterium	maltaromaticum	ATCC 43224		Vacuum-packed beef	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
60	Citrobacter	amolanaticus	ATCC 25407		Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
61	Citrobacter	farmeri	ATCC 51633		Human Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
62	Cronobacter	malonaticus	QL 123015-1A		Rice flour	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
63	Cryptococcus	albidus	ATCC 34140		Clinical specimen. Minnesota	Q Lab s	-	NOIP	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
64	Edwardsiella	tarda	QL 11007-11		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
65	Enterobacter	aerogenes	ATCC 35029		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
66	Enterobacter	amnigenus	ATCC 51816		Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
67	Enterobacter	cancerogenus	QL11010.1	Shigella, Escherichia, Enterobacter	Bottled Water	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
68	Enterobacter	cloacae	ATCC 23355		Spinal Fluid	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - Listeria spp																									
Non-target Strain								Alternative method																	
								LT/SH MALDI-MS System																	
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation
69	Enterococc us	faecium	ATCC 8459		Dairy Product	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
70	Enterococc us	faecalis	ATCC 51299		Urine	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
71	Escherichi a	coli	QL 11010.2		Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
72	Klebsiella	oxytoca	ATCC 43165		Clinical isolate. California	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
73	Klebsiella	pneumoniae	ATCC 13883		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
74	Kocuria	rhizophila	ATCC 9341		Soil	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
75	Kurthia	gobsonii	ATCC 43195		Meat	Q Lab s	-	No pea k	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
76	Kurthia	zopfii	ATCC 10538		Not Available	Q Lab s	-	No pea k	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
77	Lactobacill us	casei	ATCC 11578		Oral cavity	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
78	Lactobacill us	cremoris	ATCC 19257		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
79	Leuconost oc	mesenteroid es	QL 071011- 7		Sauerkraut	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
80	Lysinibacill us	sphaericus	ATCC BAA- 378	/	Not Available	Q Lab s	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
81	Pseudomo nas	extremorien tialis	QL 17041.1		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
82	Pseudomo nas	gessardii	QL 17041.1 2		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - Listeria spp																										
Non-target Strain							Refer ence meth od	Alternative method																		
								LT/SH MALDI-MS System																		
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	
83	Pseudomo nas	proteolytica	QL 17041.4		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
84	Pseudomo nas	aeruginosa	ATCC 35032		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
85	Pseudomo nas	fluorescens	QL 17041.3		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
86	Pseudomo nas	rhodesiae	QL 17041.6		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
87	Proteus	mirabilis	QL 11007.6		Veterinary	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
88	Providenci a	stuartii	QL 11007.5		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
89	Rhodococc us	equi	ATCC 6939		Lung abscess of foal	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
90	Rhodococc us	fascians	QL 052712- 3		Fruit Salad	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
91	Salmonella	Galiema	QL024.2		Environmental Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
92	Salmonella	Typhimuriu m	ATCC 14028		Animal tissue	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
93	Staphyloco ccus	aureus	QL 030911. 4		Seasoning Powder	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
94	Staphyloco ccus	chromogen es	QL 17041.1 0		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
95	Staphyloco ccus	epidermidis	ATCC 12228		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
96	Staphyloco ccus	haemolyticu s	ATCC 29970		Human skin	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - Listeria spp																									
Non-target Strain							Refer ence meth od	Alternative method																	
								LT/SH MALDI-MS System																	
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation
97	Staphyloco ccus	hyicus	QL 030911. 3		Seasoning Powder	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
98	Staphyloco ccus	intermedius	QL 030911. 2		Veterinary	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
99	Staphyloco ccus	saprophytic us	QL 090110- 8		Pasteurized Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
100	Staphyloco ccus	sciuri	QL 17041.9		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
101	Staphyloco ccus	warneri	ATCC 29885		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
102	Streptococ cus	pneumoniae	ATCC 6302		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
103	Streptococ cus	salivarius	QL 011509- 7		Pasteurized Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
104	Vibrio	parahaemol yticus	CCUG 43364		Sea Food	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
105	Vibrio	vulnificus	QL 021111 B		Seafood Product	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
106	Yersinia	enterolytica	ATCC 49397		Clinical Isolate. Human	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
107	Zygosacch aromyces	bailii	ATCC 36947		Not Available	Q Lab s	-	No pea k	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
To tal	N								107		107			107			107			107			107		
	PA								0		0			0			0			0			0		
	ND								0		0			0			0			0			0		
	NA								102		9			12			21			8			11		
	NA (no growth)								0		98			95			84			99			96		
	PD								0		0			0			0			0			0		
	No result								5		0			0			2			0			0		

EXCLUSIVITY - <i>Listeria</i> spp.																											
Non-target Strain							Refer ence meth od	Alternative method																			
								LT/SH MALDI-smart System																			
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>				
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation		
1	<i>Bacillus</i>	<i>cereus</i>	16		Ready to eat (seafood)	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
2	<i>Bacillus</i>	<i>cereus</i>	21		Cooked rice	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
3	<i>Bacillus</i>	<i>circulans</i>	Ad734		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA		
4	<i>Bacillus</i>	<i>circulans</i>	Ad760		Mashed vegetables	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
5	<i>Bacillus</i>	<i>coagulans</i>	Ad732		Dairy product	Adri a	-	NOI P	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
6	<i>Bacillus</i>	<i>coagulans</i>	Ad1281		Raw milk	Adri a	-	NOI P	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
7	<i>Bacillus</i>	<i>licheniformi s</i>	Ad741		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA		
8	<i>Bacillus</i>	<i>licheniformi s</i>	Ad798		Egg product	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA		
9	<i>Bacillus</i>	<i>mycoïdes</i>	Ad763		Pasteurized vegetable	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
10	<i>Bacillus</i>	<i>pseudomyc oides</i>	Ad767		Dairy product	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
11	<i>Bacillus</i>	<i>pseudomyc oides</i>	Ad765		Vegetables	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
12	<i>Bacillus</i>	<i>pumilus</i>	Ad733		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA		
13	<i>Bacillus</i>	<i>pumilus</i>	Ad768		Vegetables	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA		
14	<i>Bacillus</i>	<i>subtilis</i>	Ad839		Chocolate	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		

EXCLUSIVITY - <i>Listeria</i> spp.																										
Non-target Strain							Refer ence meth od	Alternative method																		
								LT/SH MALDI-smart System																		
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>			
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	
15	<i>Bacillus</i>	<i>thuringiensis</i>	Ad773		Vegetables	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
16	<i>Bacillus</i>	<i>thuringiensis</i>	Ad2067		Uknow	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
17	<i>Bacillus</i>	<i>weihenstephanensis</i>	Ad726		Egg product	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
18	<i>Bacillus</i>	<i>weihenstephanensis</i>	Ad778		Purée	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
19	<i>Enterococcus</i>	<i>avium</i>	Ad 183	<i>Enterococcus malodoratus</i>	Whole egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
20	<i>Enterococcus</i>	<i>casseliflavus</i>	Ad1346		Water	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
21	<i>Enterococcus</i>	<i>durans</i>	Ad 181	<i>Enterococcus faecium / hirae / durans</i>	Whole egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
22	<i>Enterococcus</i>	<i>faecalis</i>	Ad 602		Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
23	<i>Enterococcus</i>	<i>faecalis</i>	25		Poultry meat	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
24	<i>Enterococcus</i>	<i>faecalis</i>	Ad547		Pancake	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
25	<i>Enterococcus</i>	<i>faecium</i>	Ad177		Pasteurised whole egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
26	<i>Enterococcus</i>	<i>gallinarum</i>	Ad1145	<i>Enterococcus casseliflavus / gallinarum</i>	Guacamole	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
27	<i>Enterococcus</i>	<i>hirae</i>	Ad1392		Sea water	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
28	<i>Enterococcus</i>	<i>mundtii</i>	Ad1365		Stream	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - <i>Listeria</i> spp.																									
Non-target Strain							Refer ence meth od	Alternative method																	
								LT/SH MALDI-smart System																	
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>		
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation			
29	<i>Lactobacillus</i>	<i>acidophilus</i>	93L822		Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
30	<i>Lactobacillus</i>	<i>sakei</i>	Ad1150		Delicatessen	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
31	<i>Lactobacillus</i>	<i>sunkii</i>	Ad1819		Ready to eat	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
32	<i>Lactococcus</i>	<i>casei</i>	Ad469	<i>Leuconostoc mesenteroides</i>	Whole egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
33	<i>Lactococcus</i>	<i>lactis</i>	Ad 425		Ferment	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
34	<i>Lactococcus</i>	<i>plantarum</i>	Ad1147		Guacamole	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
35	<i>Leuconostoc</i>	<i>carnosus</i>	Ad386		Ham	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
36	<i>Leuconostoc</i>	<i>citreum</i>	Ad604	<i>Enterococcus faecalis</i>	Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
37	<i>Leuconostoc</i>	<i>pseudomesenteroides</i>	Ad835		Dairy desert	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
38	<i>Lysinibacillus</i>	<i>sphaericus</i>	Ad872		Dairy product	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
39	<i>Lysinibacillus</i>	<i>sphaericus</i>	Ad724	<i>Lysinibacillus fusiformis</i>	Unknown	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	No peak found	No result	No result	NOIP	No result	No result
40	<i>Pseudomonas</i>	<i>fragi</i>	Ad1327		Whole liquid egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
41	<i>Pseudomonas</i>	<i>veronii</i>	Ad1588		Environmental sample	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
42	<i>Staphylococcus</i>	<i>aureus</i>	Ad906		Sausage	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	No peak found	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - <i>Listeria</i> spp.																										
Non-target Strain								Alternative method																		
								LT/SH MALDI-smart System																		
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>			
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab	Refer ence meth od	Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	
43	<i>Staphyloco ccus</i>	<i>epidermidis</i>	Ad931	<i>Micrococcus luteus</i>	Fruit	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
44	<i>Staphyloco ccus</i>	<i>equorum</i>	Ad1099		Cheese	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
45	<i>Staphyloco ccus</i>	<i>haemolyticu s</i>	Ad989		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
46	<i>Staphyloco ccus</i>	<i>hominis</i>	Ad849		Unknow	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
47	<i>Staphyloco ccus</i>	<i>hyicus</i>	CIP81.5 8		Porc	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
48	<i>Staphyloco ccus</i>	<i>intermedius</i>	CIP8177	Staphylococcu s intermedius / delphini / pseudintermedi us	Dog	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
49	<i>Staphyloco ccus</i>	<i>pasteurii</i>	Ad1717		Whole egg	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
50	<i>Staphyloco ccus</i>	<i>saprophytic us</i>	Ad866		Milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
51	<i>Streptococ cus</i>	<i>bovis</i>	92L613		Cheese	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
52	<i>Streptococ cus</i>	<i>salivarius</i>	Ad 441		Milk	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
53	<i>Aeromona s</i>	<i>hydrophila</i>	ATCC 49140		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
54	<i>Aerococcu s</i>	<i>viridans</i>	QL 17041.8		Raw Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
55	<i>Bacillus</i>	<i>cereus</i>	QL 15166-1		Psyllium	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

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Non-target Strain							Refer ence meth od	Alternative method																	
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N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>		
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compare d to identity of the strain	Final Interpret ation
56	<i>Bacillus</i>	<i>licheniformi s</i>	ATCC 12759		Cassava tuber plant	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
57	<i>Burkholderi a*</i>	<i>cepacia</i>	ATCC 25416		Plant-derived foodstuff	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
58	<i>Carnobact erium</i>	<i>gallinarum</i>	ATCC 49517		Ice slush from around chicken carcasses	Q Lab s	-	No pea k	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
59	<i>Carnobact erium</i>	<i>maltaromati cum</i>	ATCC 43224		Vacuum-packed beef	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
60	<i>Citrobacter</i>	<i>amolanaticu s</i>	ATCC 25407		Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
61	<i>Citrobacter</i>	<i>farmeri</i>	ATCC 51633		Human Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
62	<i>Cronobact er</i>	<i>malonaticus</i>	QL 123015- 1A		Rice flour	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
63	<i>Cryptococc us</i>	<i>albidus</i>	ATCC 34140		Clinical specimen. Minnesota	Q Lab s	-	NOI P	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
64	<i>Edwardsiel la</i>	<i>tarda</i>	QL 11007- 11		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
65	<i>Enterobact er</i>	<i>aerogenes</i>	ATCC 35029		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
66	<i>Enterobact er</i>	<i>amnigenus</i>	ATCC 51816		Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
67	<i>Enterobact er</i>	<i>cancerogen us</i>	QL1101 0.1	<i>Shigella, Escherichia, Enterobacter</i>	Bottled Water	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
68	<i>Enterobact er</i>	<i>cloacae</i>	ATCC 23355		Spinal Fluid	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
69	<i>Enterococc us</i>	<i>faecium</i>	ATCC 8459		Dairy Product	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - <i>Listeria</i> spp.																											
Non-target Strain								Alternative method																			
								LT/SH MALDI-smart System																			
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>				
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab	Refer ence meth od	Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation		
70	<i>Enterococcus</i>	<i>faecalis</i>	ATCC 51299		Urine	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
71	<i>Escherichia</i>	<i>coli</i>	QL 11010.2		Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
72	<i>Klebsiella</i>	<i>oxytoca</i>	ATCC 43165		<i>Clinical isolate. California</i>	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
73	<i>Klebsiella</i>	<i>pneumoniae</i>	ATCC 13883		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
74	<i>Kocuria</i>	<i>rhizophila</i>	ATCC 9341		Soil	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
75	<i>Kurthia</i>	<i>gobsonii</i>	ATCC 43195		Meat	Q Lab s	-	No peak	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
76	<i>Kurthia</i>	<i>zopfii</i>	ATCC 10538		Not Available	Q Lab s	-	No peak	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
77	<i>Lactobacillus</i>	<i>casei</i>	ATCC 11578		Oral cavity	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
78	<i>Lactobacillus</i>	<i>cremoris</i>	ATCC 19257		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
79	<i>Leuconostoc</i>	<i>mesenteroides</i>	QL 071011-7		Sauerkraut	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
80	<i>Lysinibacillus</i>	<i>sphaericus</i>	ATCC BAA-378	/	Not Available	Q Lab s	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA		
81	<i>Pseudomonas</i>	<i>extremorientalis</i>	QL 17041.1		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
82	<i>Pseudomonas</i>	<i>gessardii</i>	QL 17041.12		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		
83	<i>Pseudomonas</i>	<i>proteolytica</i>	QL 17041.4		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)		

EXCLUSIVITY - <i>Listeria</i> spp.																									
Non-target Strain							Refer ence meth od	Alternative method																	
								LT/SH MALDI-smart System																	
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>		
								Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation
84	<i>Pseudomonas</i>	<i>aeruginosa</i>	ATCC 35032		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
85	<i>Pseudomonas</i>	<i>fluorescens</i>	QL 17041.3		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
86	<i>Pseudomonas</i>	<i>rhodesiae</i>	QL 17041.6		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
87	<i>Proteus</i>	<i>mirabilis</i>	QL 11007.6		Veterinary	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
88	<i>Providencia</i>	<i>stuartii</i>	QL 11007.5		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
89	<i>Rhodococcus</i>	<i>equi</i>	ATCC 6939		Lung abscess of foal	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
90	<i>Rhodococcus</i>	<i>fascians</i>	QL 052712-3		Fruit Salad	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
91	<i>Salmonella</i>	Galiema	QL024.2		Environmental Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
92	<i>Salmonella</i>	<i>Typhimurium</i>	ATCC 14028		Animal tissue	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
93	<i>Staphylococcus</i>	<i>aureus</i>	QL 030911.4		Seasoning Powder	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
94	<i>Staphylococcus</i>	<i>chromogenes</i>	QL 17041.10		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
95	<i>Staphylococcus</i>	<i>epidermidis</i>	ATCC 12228		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
96	<i>Staphylococcus</i>	<i>haemolyticus</i>	ATCC 29970		Human skin	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
97	<i>Staphylococcus</i>	<i>hyicus</i>	QL 030911.3		Seasoning Powder	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - <i>Listeria</i> spp.																												
Non-target Strain								Alternative method																				
								LT/SH MALDI-smart System																				
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L <i>mono</i>					
N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab	Refer ence meth od	Final resul t (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirmat ion compare d to identity of the strain	Final Interpret ation			
98	<i>Staphyloco ccus</i>	<i>intermedius</i>	QL 030911. 2		<i>Veterinary</i>	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
99	<i>Staphyloco ccus</i>	<i>saprophytic us</i>	QL 090110- 8		Pasteurized Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
100	<i>Staphyloco ccus</i>	<i>sciuri</i>	QL 17041.9		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
101	<i>Staphyloco ccus</i>	<i>warneri</i>	ATCC 29885		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
102	<i>Streptococ cus</i>	<i>pneumoniae</i>	ATCC 6302		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
103	<i>Streptococ cus</i>	<i>salivarius</i>	QL 011509- 7		Pasteurized Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
104	<i>Vibrio</i>	<i>parahaemol yticus</i>	CCUG 43364		Sea Food	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
105	<i>Vibrio</i>	<i>vulnificus</i>	QL 021111 B		Seafood Product	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
106	<i>Yersinia</i>	<i>enterolytica</i>	ATCC 49397		<i>Clinical Isolate. Human</i>	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
107	<i>Zygosacch aromyces</i>	<i>bailii</i>	ATCC 36947		Not Available	Q Lab s	-	No pea k	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
To tal	N								107				107				107				107				107			
	PA								0				0				0				0				0			
	ND								0				0				0				0				0			
	NA								100				9				12				22				7			
	NA (no growth)								0				98				95				84				99			
	PD								0				0				0				0				0			
	No result								7				0				0				1				1			

Annex I - Results inclusivity study - *Listeria monocytogenes*

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID ^L <i>mono</i>		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation
1	<i>Listeria</i>	<i>monocytogenes</i>	153	Soft cheese (Munster)	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
2	<i>Listeria</i>	<i>monocytogenes</i>	1972/2399	Puff pastry with mushrooms	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
3	<i>Listeria</i>	<i>monocytogenes</i>	1973/2400	Puff pastry egg and ham (Quiche lorraine)	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
4	<i>Listeria</i>	<i>monocytogenes</i>	2407/3139	Tripes with tomatoes	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
5	<i>Listeria</i>	<i>monocytogenes</i>	32.183	Croque-Monsieur	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
6	<i>Listeria</i>	<i>monocytogenes</i>	5721/6179	Smoked bacon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
7	<i>Listeria</i>	<i>monocytogenes</i>	7111/7516	Pâté (Rillettes)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
8	<i>Listeria</i>	<i>monocytogenes</i>	913/1048	Black pudding	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
9	<i>Listeria</i>	<i>monocytogenes</i>	A00C040	Cooked delicatessen (Museau)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
10	<i>Listeria</i>	<i>monocytogenes</i>	A00C041	Sausage	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
11	<i>Listeria</i>	<i>monocytogenes</i>	A00C042	Raw sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
12	<i>Listeria</i>	<i>monocytogenes</i>	A00C043	Smoked Bacon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
13	<i>Listeria</i>	<i>monocytogenes</i>	A00C044	Poultry (duck)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
14	<i>Listeria</i>	<i>monocytogenes</i>	A00C052	RTE food (Osso bucco with turkey)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
15	<i>Listeria</i>	<i>monocytogenes</i>	A00C054	Beef heart	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
16	<i>Listeria</i>	<i>monocytogenes</i>	A00M032	Smoked salmon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
17	<i>Listeria</i>	<i>monocytogenes</i>	A00M088	Smoked salmon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
18	<i>Listeria</i>	<i>monocytogenes</i>	Ad235	Poultry	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
19	<i>Listeria</i>	<i>monocytogenes</i>	Ad249	Environmental sample	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
20	<i>Listeria</i>	<i>monocytogenes</i>	Ad253	Hard cheese	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID [®] L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
21	Listeria	monocytogenes	Ad260	Semi hard cheese	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
22	Listeria	monocytogenes	Ad265	Tongue	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
23	Listeria	monocytogenes	Ad266	Poultry	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
24	Listeria	monocytogenes	Ad267	Dry sausage	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
25	Listeria	monocytogenes	Ad268	Cured ham	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
26	Listeria	monocytogenes	Ad270	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
27	Listeria	monocytogenes	Ad272	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
28	Listeria	monocytogenes	Ad273	Cured delicatessen	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
29	Listeria	monocytogenes	Ad274	Ready-to-eat food (Asiatic meal)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
30	Listeria	monocytogenes	Ad285	Green pepper	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
31	Listeria	monocytogenes	Ad494	Deli salad (piémontaise)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
32	Listeria	monocytogenes	Ad534	Fruits	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
33	Listeria	monocytogenes	Ad544	Onion	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
34	Listeria	monocytogenes	Ad546	Flour	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
35	Listeria	monocytogenes	Ad618	Soft cheese (Munster)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
36	Listeria	monocytogenes	Ad623	Bread crumbs	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
37	Listeria	monocytogenes	Ad625	Dairy environmental sample	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
38	Listeria	monocytogenes	Ad626	Cheese (Gorgonzola)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
39	Listeria	monocytogenes	Ad630	Cheese (Cantal)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
40	Listeria	monocytogenes	Ad665	Milk	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
41	Listeria	monocytogenes	850/109	RTE food (deli salad with seafood)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
42	Listeria	monocytogenes	Ad1494	Strasbourg sausage	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID [®] L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation
43	<i>Listeria</i>	<i>monocytogenes</i>	Ad1495	Deli salad	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
44	<i>Listeria</i>	<i>monocytogenes</i>	Ad1496	RT reheat (sea food)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
45	<i>Listeria</i>	<i>monocytogenes</i>	Ad1497	Pasta	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
46	<i>Listeria</i>	<i>monocytogenes</i>	Ad1498	Deli salad	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
47	<i>Listeria</i>	<i>monocytogenes</i>	Ad1679	Fish environmental sample	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
48	<i>Listeria</i>	<i>monocytogenes</i>	Ad1781	Raw milk	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
49	<i>Listeria</i>	<i>monocytogenes</i>	Ad1784	Ewe milk	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
50	<i>Listeria</i>	<i>monocytogenes</i>	Ad816	Unknown	L a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
51	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 7644	Human Isolate	1/2 C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
52	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 13932	Spinal Fluid of child with menintoitis. Germany	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
53	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.3	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
54	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.4	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
55	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.5	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
56	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 15313	rabbit. Cambridge. England	1/2 A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
57	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19111	Poultry. England	1	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
58	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19114	Tissue. animal (ruminant brain)	4A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
59	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19116	Chicken. England	4C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
60	<i>Listeria</i>	<i>monocytogenes</i>	FSL J1.049	Not Available	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
61	<i>Listeria</i>	<i>monocytogenes</i>	FSL J1-129	Not Available	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
62	<i>Listeria</i>	<i>monocytogenes</i>	FSL F6-367	Not Available	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID ^L .mono		
N	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
63	Listeria	monocytogenes	QL 030911.10	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
64	Listeria	monocytogenes	ATCC 19118	Chicken. England	4E	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
65	Listeria	monocytogenes	ATCC 43256	Not Available	N/A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
66	Listeria	monocytogenes	ATCC 49594	Not Available	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
67	Listeria	monocytogenes	ATCC 51772	Not Available	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
68	Listeria	monocytogenes	ATCC 51778	Diary Products (Belgium)	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
69	Listeria	monocytogenes	ATCC51780	Dairy Products (Cheese)	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
70	Listeria	monocytogenes	ATCC51782	Dairy Products (Cheese)	3A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
71	Listeria	monocytogenes	ATCC BAA-751	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
72	Listeria	monocytogenes	ATCC BAA 2658	Not Available	N/A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
73	Listeria	monocytogenes	BEI Li2	Q Labs Isolate BEI NR-100	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
74	Listeria	monocytogenes	UVM CWD 1552	Not Available	1/2C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
75	Listeria	monocytogenes	UVM CWD 1554	Carlisle 1981	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
76	Listeria	monocytogenes	UVM CWD 1555	Carlisle 1981	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
77	Listeria	monocytogenes	UVM CWD 1559	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
78	Listeria	monocytogenes	UVM CWD 1560	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
79	Listeria	monocytogenes	UVM CWD 1561	Mother/Baby. Placenta	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID [®] L.mono		
N	Genus	Species	Reference	Origin	Serotype	Lab		Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation
80	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1563	Lausanne 1987	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
81	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1567	LA Outbreak 1985	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
82	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1571	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
83	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1599	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
84	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1601	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
85	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1609	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
86	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1612	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
87	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1613	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
88	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1614	Oklahoma	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
89	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1618	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
90	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1620	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
91	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1626	Oklahoma Turkey Franks	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
92	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1627	Mother/Baby	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
93	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1629	Oklahoma Turkey Franks	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Refere nce metho d	Alternative method																	
								LT/SH MALDI-MS System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID [®] <i>L.mono</i>		
N	Genus	Species	Referen ce	Origin	Seroty pe	Lab		Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation
94	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD 1630	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
95	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD15 53	Unknown	1/2C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
96	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD15 74	Halifax 1983	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
97	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD15 84	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
98	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD15 86	Not Available	3B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
99	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD15 88	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
100	<i>Listeria</i>	<i>monocytog enes</i>	UVM CWD15 89	LA	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
Tot al	N								100				100				100				100				100
	PA								100				100				100				100				100
	ND								0				0				0				0				0
	NA								0				0				0				0				0
	NA (no growth)								0				0				0				0				0
	PD								0				0				0				0				0

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID [®] <i>L.mono</i>		
N	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	
1	<i>Listeria</i>	<i>monocytogenes</i>	153	Soft cheese (Munster)	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
2	<i>Listeria</i>	<i>monocytogenes</i>	1972/2399	Puff pastry with mushrooms	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
3	<i>Listeria</i>	<i>monocytogenes</i>	1973/2400	Puff pastry egg and ham (Quiche lorraine)	VI b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
4	<i>Listeria</i>	<i>monocytogenes</i>	2407/3139	Tripes with tomatoes	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
5	<i>Listeria</i>	<i>monocytogenes</i>	32.183	Croque-Monsieur	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
6	<i>Listeria</i>	<i>monocytogenes</i>	5721/6179	Smoked bacon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
7	<i>Listeria</i>	<i>monocytogenes</i>	7111/7516	Pâté (Rillettes)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
8	<i>Listeria</i>	<i>monocytogenes</i>	913/1048	Black pudding	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
9	<i>Listeria</i>	<i>monocytogenes</i>	A00C040	Cooked delicatessen (Museau)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
10	<i>Listeria</i>	<i>monocytogenes</i>	A00C041	Sausage	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
11	<i>Listeria</i>	<i>monocytogenes</i>	A00C042	Raw sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
12	<i>Listeria</i>	<i>monocytogenes</i>	A00C043	Smoked Bacon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
13	<i>Listeria</i>	<i>monocytogenes</i>	A00C044	Poultry (duck)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
14	<i>Listeria</i>	<i>monocytogenes</i>	A00C052	RTE food (Osso bucco with turkey)	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
15	<i>Listeria</i>	<i>monocytogenes</i>	A00C054	Beef heart	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
16	<i>Listeria</i>	<i>monocytogenes</i>	A00M032	Smoked salmon	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
17	<i>Listeria</i>	<i>monocytogenes</i>	A00M088	Smoked salmon	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
18	<i>Listeria</i>	<i>monocytogenes</i>	Ad235	Poultry	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
19	<i>Listeria</i>	<i>monocytogenes</i>	Ad249	Environmental sample	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
20	<i>Listeria</i>	<i>monocytogenes</i>	Ad253	Hard cheese	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
21	<i>Listeria</i>	<i>monocytogenes</i>	Ad260	Semi hard cheese	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
22	<i>Listeria</i>	<i>monocytogenes</i>	Ad265	Tongue	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
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23	<i>Listeria</i>	<i>monocytogenes</i>	Ad266	Poultry	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
24	<i>Listeria</i>	<i>monocytogenes</i>	Ad267	Dry sausage	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
25	<i>Listeria</i>	<i>monocytogenes</i>	Ad268	Cured ham	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
26	<i>Listeria</i>	<i>monocytogenes</i>	Ad270	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
27	<i>Listeria</i>	<i>monocytogenes</i>	Ad272	Fermented sausage	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
28	<i>Listeria</i>	<i>monocytogenes</i>	Ad273	Cured delicatessen	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
29	<i>Listeria</i>	<i>monocytogenes</i>	Ad274	Ready-to-eat food (Asiatic meal)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
30	<i>Listeria</i>	<i>monocytogenes</i>	Ad285	Green pepper	La	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
31	<i>Listeria</i>	<i>monocytogenes</i>	Ad494	Deli salad (piémontaise)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
32	<i>Listeria</i>	<i>monocytogenes</i>	Ad534	Fruits	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
33	<i>Listeria</i>	<i>monocytogenes</i>	Ad544	Onion	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
34	<i>Listeria</i>	<i>monocytogenes</i>	Ad546	Flour	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
35	<i>Listeria</i>	<i>monocytogenes</i>	Ad618	Soft cheese (Munster)	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
36	<i>Listeria</i>	<i>monocytogenes</i>	Ad623	Bread crumbs	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
37	<i>Listeria</i>	<i>monocytogenes</i>	Ad625	Dairy environmental sample	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
38	<i>Listeria</i>	<i>monocytogenes</i>	Ad626	Cheese (Gorgonzola)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
39	<i>Listeria</i>	<i>monocytogenes</i>	Ad630	Cheese (Cantal)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
40	<i>Listeria</i>	<i>monocytogenes</i>	Ad665	Milk	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
41	<i>Listeria</i>	<i>monocytogenes</i>	850/109	RTE food (deli salad with seafood)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
42	<i>Listeria</i>	<i>monocytogenes</i>	Ad1494	Strasbourg sausage	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
43	<i>Listeria</i>	<i>monocytogenes</i>	Ad1495	Deli salad	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
44	<i>Listeria</i>	<i>monocytogenes</i>	Ad1496	RT reheat (sea food)	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - <i>Listeria monocytogenes</i>																									
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N	Genus	Species	Reference	Origin	Serotype	Lab	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	
45	<i>Listeria</i>	<i>monocytogenes</i>	Ad1497	Pasta	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
46	<i>Listeria</i>	<i>monocytogenes</i>	Ad1498	Deli salad	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
47	<i>Listeria</i>	<i>monocytogenes</i>	Ad1679	Fish environmental sample	II b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
48	<i>Listeria</i>	<i>monocytogenes</i>	Ad1781	Raw milk	IV b	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
49	<i>Listeria</i>	<i>monocytogenes</i>	Ad1784	Ewe milk	II a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
50	<i>Listeria</i>	<i>monocytogenes</i>	Ad816	Unknown	L a	Adria	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
51	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 7644	Human Isolate	1/2 C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
52	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 13932	Spinal Fluid of child with menintoitis. Germany	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
53	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.3	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
54	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.4	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
55	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.5	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
56	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 15313	rabbit. Cambridge. England	1/2 A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
57	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19111	Poultry. England	1	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
58	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19114	Tissue. animal (ruminant brain)	4A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
59	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19116	Chicken. England	4C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
60	<i>Listeria</i>	<i>monocytogenes</i>	FSL J1.049	Not Available	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
61	<i>Listeria</i>	<i>monocytogenes</i>	FSL J1-129	Not Available	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
62	<i>Listeria</i>	<i>monocytogenes</i>	FSL F6-367	Not Available	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
63	<i>Listeria</i>	<i>monocytogenes</i>	QL 030911.10	Shellfish	NA	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
64	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 19118	Chicken. England	4E	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

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							Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method compared to identity of the strain	Final Interpretation	
65	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 43256	Not Available	N/A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
66	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 49594	Not Available	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
67	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 51772	Not Available	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
68	<i>Listeria</i>	<i>monocytogenes</i>	ATCC 51778	Diary Products (Belgium)	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
69	<i>Listeria</i>	<i>monocytogenes</i>	ATCC51780	Dairy Products (Cheese)	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
70	<i>Listeria</i>	<i>monocytogenes</i>	ATCC51782	Dairy Products (Cheese)	3A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
71	<i>Listeria</i>	<i>monocytogenes</i>	ATCC BAA-751	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
72	<i>Listeria</i>	<i>monocytogenes</i>	ATCC BAA 2658	Not Available	N/A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
73	<i>Listeria</i>	<i>monocytogenes</i>	BEI Li2	Q Labs Isolate BEI NR-100	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
74	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1552	Not Available	1/2C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
75	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1554	Carlisle 1981	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
76	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1555	Carlisle 1981	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
77	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1559	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
78	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1560	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
79	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1561	Mother/Baby. Placenta	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
80	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1563	Lausanne 1987	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
81	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1567	LA Outbreak 1985	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

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82	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1571	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
83	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1599	Not Available	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
84	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1601	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
85	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1609	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
86	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1612	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
87	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1613	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
88	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1614	Oklahoma	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
89	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1618	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
90	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1620	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
91	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1626	Oklahoma Turkey Franks	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
92	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1627	Mother/Baby	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
93	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1629	Oklahoma Turkey Franks	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
94	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD 1630	Turkey Frank Factory	1/2A	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
95	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD15 53	Unknown	1/2C	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
96	<i>Listeria</i>	<i>monocytogenes</i>	UVM CWD15 74	Halifax 1983	4B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA

INCLUSIVITY - Listeria monocytogenes																									
Target Strain							Refere nce metho d	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Genus	Species	Referen ce	Origin	Serot ype	Lab		Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpreta tion	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpreta tion	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpreta tion	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpreta tion	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpreta tion	Fin al res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpreta tion
97	Listeria	monocytog enes	UVM CWD15 84	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
98	Listeria	monocytog enes	UVM CWD15 86	Not Available	3B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
99	Listeria	monocytog enes	UVM CWD15 88	Not Available	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
100	Listeria	monocytog enes	UVM CWD15 89	LA	1/2B	Q Labs	+	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA	+	PA	IA
Total	N								100				100				100				100				100
	PA								100				100				100				100				100
	ND								0				0				0				0				0
	NA								0				0				0				0				0
	NA (no growth)								0				0				0				0				0
	PD								0				0				0				0				0

Annex K - Results exclusivity study - *Listeria monocytogenes*

NOIP: NO Organism Identification Possible

EXCLUSIVITY - <i>Listeria monocytogenes</i>																									
Non Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
							Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
1	<i>Listeria</i>	<i>grayi</i>	Ad1198		Smoked salmon	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
2	<i>Listeria</i>	<i>grayi</i>	Ad1229		Chitterling	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA
3	<i>Listeria</i>	<i>grayi</i>	Ad1295		Spinash	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA
4	<i>Listeria</i>	<i>grayi</i>	Ad1296		Vegetables	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
5	<i>Listeria</i>	<i>grayi</i>	Ad2415		Rillette	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
6	<i>Listeria</i>	<i>innocua</i>	Ad 1230		Seafood product	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
7	<i>Listeria</i>	<i>innocua</i>	Ad 1675		Fish	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
8	<i>Listeria</i>	<i>innocua</i>	Ad 1676		RT reheat	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
9	<i>Listeria</i>	<i>innocua</i>	Ad 1771		Ewe milk	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
10	<i>Listeria</i>	<i>innocua</i>	Ad2414		Pasteurized cheese	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
11	<i>Listeria</i>	<i>ivanovii</i>	Ad616		Dairy environmental sample	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
12	<i>Listeria</i>	<i>ivanovii</i>	Ad1288		Ewe milk	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
13	<i>Listeria</i>	<i>ivanovii</i>	Ad1289		Raw milk cheese	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
14	<i>Listeria</i>	<i>ivanovii</i>	Ad1290		Milk powder	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
15	<i>Listeria</i>	<i>ivanovii</i>	Ad676		Pork cheek	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA

EXCLUSIVITY - <i>Listeria monocytogenes</i>																									
Non Target Strain							Reference method	Alternative method																	
								LT/SH MALDI-MS System																	
N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
							Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
16	Listeria	seeligeri	Ad2634		Trout	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
17	Listeria	seeligeri	Ad2637		Trout	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
18	Listeria	seeligeri	BR18		Environment sample	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
19	Listeria	seeligeri	Ad649		Cheese	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
20	Listeria	seeligeri	Ad651		Environment sample	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
21	Listeria	welshimeri	Ad1175		Fried rize	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
22	Listeria	welshimeri	Ad1204		Ham	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
23	Listeria	welshimeri	Ad1211		Frozen ground beef meat	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
24	Listeria	welshimeri	Ad1223		Beef meat	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
25	Listeria	welshimeri	Ad1228		Turkey meat	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
26	Bacillus	cereus	16		Ready to eat (seafood)	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
27	Bacillus	circulans	Ad734		Dairy product	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
28	Bacillus	licheniformis	Ad741		Dairy product	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
29	Bacillus	pumilus	Ad733		Dairy product	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA
30	Bacillus	subtilis	Ad839		Chocolate	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
Non Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
							Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation		
31	<i>Enterococcus</i>	<i>casseliflavus</i>	Ad1346		Water	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
32	<i>Enterococcus</i>	<i>faecalis</i>	Ad 602		Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
33	<i>Enterococcus</i>	<i>faecium</i>	Ad177		Pasteurised whole egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
34	<i>Enterococcus</i>	<i>gallinarum</i>	Ad1145	<i>Enterococcus casseliflavus / gallinarum</i>	Guacamole	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
35	<i>Enterococcus</i>	<i>hirae</i>	Ad1392		Sea water	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
36	<i>Lactobacillus</i>	<i>acidophilus</i>	93L822		Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
37	<i>Lactobacillus</i>	<i>sakei</i>	Ad1150		Delicatessen	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
38	<i>Lactococcus</i>	<i>lactis</i>	Ad 425		Ferment	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
Non Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
							Final result (+/-)	Alternative method confirmed compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmed compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmed compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmed compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmed compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmed compared to identity of the strain	Final Interpretation		
39	<i>Lactococcus</i>	<i>plantarum</i>	Ad1147		Guacamole	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
40	<i>Leuconostoc</i>	<i>carnosus</i>	Ad386		Ham	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
41	<i>Leuconostoc</i>	<i>pseudomesenteroides</i>	Ad835		Dairy desert	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
42	<i>Lysinibacillus</i>	<i>sphaericus</i>	Ad872		Dairy product	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
43	<i>Lysinibacillus</i>	<i>sphaericus</i>	Ad724	Lysinibacillus fusiformis	Unknown	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	No peak	No result	No result	-	NA	EA	-	NA	EA	
44	<i>Pseudomonas</i>	<i>fragi</i>	Ad1327		Whole liquid egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
45	<i>Staphylococcus</i>	<i>aureus</i>	Ad906		Sausage	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	NOIP	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
46	<i>Staphylococcus</i>	<i>equorum</i>	Ad1099		Cheese	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
47	<i>Staphylococcus</i>	<i>haemolyticus</i>	Ad989		Dairy product	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
48	<i>Staphylococcus</i>	<i>hominis</i>	Ad849		Unknow	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
Non Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
							Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation		
49	<i>Staphylococcus</i>	<i>hyicus</i>	CIP81.58		Porc	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
50	<i>Streptococcus</i>	<i>bovis</i>	92L613		Cheese	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
51	<i>Listeria</i>	<i>grayi</i>	ATCC 700545	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
52	<i>Listeria</i>	<i>grayi</i>	UVM LGRA001	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
53	<i>Listeria</i>	<i>grayi</i>	QL 030911-12	Industry		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
54	<i>Listeria</i>	<i>grayi</i>	QL 051111-1	Unknown		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
55	<i>Listeria</i>	<i>grayi</i>	QL 051111-2	Unknown		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
56	<i>Listeria</i>	<i>innocua</i>	UVM 167	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
57	<i>Listeria</i>	<i>innocua</i>	UVM 217	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
58	<i>Listeria</i>	<i>innocua</i>	UVM 658	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
59	<i>Listeria</i>	<i>innocua</i>	UVM 661	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
60	<i>Listeria</i>	<i>innocua</i>	UVM 662	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
61	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA-139	Washing water		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
Non Target Strain							Reference method	Alternative method																		
								LT/SH MALDI-MS System																		
N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
								Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
62	Listeria	ivanovii	ATCC BAA-678	Sheep fetus		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
63	Listeria	ivanovii	UVM Liv004	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
64	Listeria	ivanovii	UVM Liv005	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
65	Listeria	ivanovii	UVM Liv006	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
66	Listeria	seeligeri	ATCC 11289	Human feces		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
67	Listeria	seeligeri	ATCC 11856	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
68	Listeria	seeligeri	ATCC 11889	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
69	Listeria	seeligeri	QL 031011-2	Creamer		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
70	Listeria	seeligeri	ATCC 51334	Intesti'l content of Clethrionomys glareolus		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
71	Listeria	welshimeri	QL 040713.1	Unknown		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
72	Listeria	welshimeri	ATCC 43548	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
73	Listeria	welshimeri	ATCC 43549	Soil		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
74	Listeria	welshimeri	ATCC 43550	Human feces		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
Non Target Strain							Reference method	Alternative method																		
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N°	Species	Sub species	Reference	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono			
							Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation		
75	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43551	Not Available		Q Labs	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
76	<i>Aeromonas</i>	<i>hydrophila</i>	ATCC 49140		Clinical Isolate	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
77	<i>Aerococcus</i>	<i>viridans</i>	QL 17041.8		Raw Milk	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
78	<i>Bacillus</i>	<i>cereus</i>	QL 15166-1		Psyllium	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
79	<i>Burkholderia*</i>	<i>cepacia</i>	ATCC 25416		Plant-derived foodstuff	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
80	<i>Carnobacterium</i>	<i>maltaromaticum</i>	ATCC 43224		Vacuum-packed beef	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
81	<i>Citrobacter</i>	<i>amolanaticus</i>	ATCC 25407		Feces	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
82	<i>Enterobacter</i>	<i>aerogenes</i>	ATCC 35029		Not Available	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
83	<i>Enterococcus</i>	<i>faecium</i>	ATCC 8459		Dairy Product	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
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								Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	Final result (+/-)	Alternative method confirmation compared to identity of the strain	Final Interpretation	
84	<i>Escherichia</i>	<i>coli</i>	QL 11010.2		Feces	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
85	<i>Klebsiella</i>	<i>oxytoca</i>	ATCC 43165		Clinical isolate. California	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
86	<i>Kocuria</i>	<i>rhizophila</i>	ATCC 9341		Soil	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
87	<i>Lactobacillus</i>	<i>casei</i>	ATCC 11578		Oral cavity	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
88	<i>Leuconostoc</i>	<i>mesenteroides</i>	QL 071011-7		Sauerkraut	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
89	<i>Lysinibacillus</i>	<i>sphaericus</i>	ATCC BAA-378	/	Not Available	Q Labs	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA	
90	<i>Pseudomonas</i>	<i>extremorientalis</i>	QL 17041.1		Raw milk	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
91	<i>Providencia</i>	<i>stuartii</i>	QL 11007.5		Clinical Isolate	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

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Non Target Strain							Reference method	Alternative method																		
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								Fin al res ult (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Fin a l res ult (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confir mation compa red to identity of the strain	Final Interpret ation	
92	<i>Rhodoco ccus</i>	<i>equi</i>	ATCC 6939		Lung abscess of foal	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
93	<i>Staphylo coccus</i>	<i>aureus</i>	QL 030911.4		Seasoning Powder	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
94	<i>Staphylo coccus</i>	<i>chromogen es</i>	QL 17041.10		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
95	<i>Staphylo coccus</i>	<i>haemolyticu s</i>	ATCC 29970		Human skin	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
96	<i>Streptoc occus</i>	<i>pneumonia e</i>	ATCC 6302		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
97	<i>Streptoc occus</i>	<i>salivarius</i>	QL 011509-7		Pasteurized Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
98	<i>Vibrio</i>	<i>parahaemol yticus</i>	CCUG 43364		Sea Food	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	
99	<i>Vibrio</i>	<i>vulnificus</i>	QL 021111B		Seafood Product	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	

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Non Target Strain							Refer ence meth od	Alternative method																				
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N°	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono					
								Fin al res ult (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fina l res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation			
100	<i>Yersinia</i>	<i>enterolytica</i>	ATCC 49397		<i>Clinical Isolate. Human</i>	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no gro wth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)			
To tal	N								100				100				100				100				100			
	PA								0				0				0				0				0			
	ND								0				0				0				0				0			
	NA								100				55				50				63				53			
	NA (no growth)								0				45				50				35				47			
	PD								0				0				0				0				0			
	No result								0				0				0				2				0			

EXCLUSIVITY - <i>Listeria monocytogenes</i>																										
Non Target Strain							Refer ence meth od	Alternative method																		
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								TSYEA			O&A			Palcam			Oxford			MOX			RAPID' <i>L.mono</i>			
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		Fin al res ult (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fina l res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	
1	<i>Listeria</i>	<i>grayi</i>	Ad1198		Smoked salmon	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
2	<i>Listeria</i>	<i>grayi</i>	Ad1229		Chitterling	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
3	<i>Listeria</i>	<i>grayi</i>	Ad1295		Spinash	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	
4	<i>Listeria</i>	<i>grayi</i>	Ad1296		Vegetables	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
5	<i>Listeria</i>	<i>grayi</i>	Ad2415		Rillette	Adria	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA	
6	<i>Listeria</i>	<i>innocua</i>	Ad 1230		Seafood product	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
7	<i>Listeria</i>	<i>innocua</i>	Ad 1675		Fish	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
8	<i>Listeria</i>	<i>innocua</i>	Ad 1676		RT reheat	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
9	<i>Listeria</i>	<i>innocua</i>	Ad 1771		Ewe milk	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
10	<i>Listeria</i>	<i>innocua</i>	Ad2414		Pasteurized cheese	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
11	<i>Listeria</i>	<i>ivanovii</i>	Ad616		Dairy environmental sample	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
12	<i>Listeria</i>	<i>ivanovii</i>	Ad1288		Ewe milk	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
13	<i>Listeria</i>	<i>ivanovii</i>	Ad1289		Raw milk cheese	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
14	<i>Listeria</i>	<i>ivanovii</i>	Ad1290		Milk powder	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
15	<i>Listeria</i>	<i>ivanovii</i>	Ad676		Pork cheek	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
16	<i>Listeria</i>	<i>seeligeri</i>	Ad2634		Trout	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	

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N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		Final res ult (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation
17	<i>Listeria</i>	<i>seeligeri</i>	Ad2637		Trout	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
18	<i>Listeria</i>	<i>seeligeri</i>	BR18		Environment sample	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
19	<i>Listeria</i>	<i>seeligeri</i>	Ad649		Cheese	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
20	<i>Listeria</i>	<i>seeligeri</i>	Ad651		Environment sample	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	+	FP	ED	-	NA	EA	-	NA	EA
21	<i>Listeria</i>	<i>welshimeri</i>	Ad1175		Fried rize	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
22	<i>Listeria</i>	<i>welshimeri</i>	Ad1204		Ham	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
23	<i>Listeria</i>	<i>welshimeri</i>	Ad1211		Frozen ground beef meat	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
24	<i>Listeria</i>	<i>welshimeri</i>	Ad1223		Beef meat	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
25	<i>Listeria</i>	<i>welshimeri</i>	Ad1228		Turkey meat	Adri a	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
26	<i>Bacillus</i>	<i>cereus</i>	16		Ready to eat (seafood)	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
27	<i>Bacillus</i>	<i>circulans</i>	Ad734		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
28	<i>Bacillus</i>	<i>licheniformi s</i>	Ad741		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
29	<i>Bacillus</i>	<i>pumilus</i>	Ad733		Dairy product	Adri a	-	-	NA	EA	-	NA	EA	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA
30	<i>Bacillus</i>	<i>subtilis</i>	Ad839		Chocolate	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no gro wth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

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31	<i>Enterococcus</i>	<i>casseliflavus</i>	Ad1346		Water	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
32	<i>Enterococcus</i>	<i>faecalis</i>	Ad 602		Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
33	<i>Enterococcus</i>	<i>faecium</i>	Ad177		Pasteurised whole egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
34	<i>Enterococcus</i>	<i>gallinarum</i>	Ad1145	<i>Enterococcus casseliflavus / gallinarum</i>	Guacamole	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
35	<i>Enterococcus</i>	<i>hirae</i>	Ad1392		Sea water	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
36	<i>Lactobacillus</i>	<i>acidophilus</i>	93L822		Raw milk	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
37	<i>Lactobacillus</i>	<i>sakei</i>	Ad1150		Delicatessen	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
38	<i>Lactococcus</i>	<i>lactis</i>	Ad 425		Ferment	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

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39	<i>Lactococcus</i>	<i>plantarum</i>	Ad1147		Guacamole	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
40	<i>Leuconostoc</i>	<i>carneus</i>	Ad386		Ham	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
41	<i>Leuconostoc</i>	<i>pseudomesenteroides</i>	Ad835		Dairy desert	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
42	<i>Lysinibacillus</i>	<i>sphaericus</i>	Ad872		Dairy product	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
43	<i>Lysinibacillus</i>	<i>sphaericus</i>	Ad724	Lysinibacillus fusiformis	Unknown	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	No peak	No result	No result	NOIP	No result	No result
44	<i>Pseudomonas</i>	<i>fragi</i>	Ad1327		Whole liquid egg	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
45	<i>Staphylococcus</i>	<i>aureus</i>	Ad906		Sausage	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	No peak	No result	No result	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
46	<i>Staphylococcus</i>	<i>equorum</i>	Ad1099		Cheese	Adria	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA
47	<i>Staphylococcus</i>	<i>haemolyticus</i>	Ad989		Dairy product	Adria	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA

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48	<i>Staphylo coccus</i>	<i>hominis</i>	Ad849		Unknow	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
49	<i>Staphylo coccus</i>	<i>hyicus</i>	CIP81.5 8		Porc	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
50	<i>Streptoc occus</i>	<i>bovis</i>	92L613		Cheese	Adri a	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no gro wth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
51	<i>Listeria</i>	<i>grayi</i>	ATCC 700545	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
52	<i>Listeria</i>	<i>grayi</i>	UVM LGRA00 1	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
53	<i>Listeria</i>	<i>grayi</i>	QL 030911- 12	Industry		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
54	<i>Listeria</i>	<i>grayi</i>	QL 051111- 1	Unknown		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
55	<i>Listeria</i>	<i>grayi</i>	QL 051111- 2	Unknown		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)
56	<i>Listeria</i>	<i>innocua</i>	UVM 167	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
57	<i>Listeria</i>	<i>innocua</i>	UVM 217	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
58	<i>Listeria</i>	<i>innocua</i>	UVM 658	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA

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59	<i>Listeria</i>	<i>innocua</i>	UVM 661	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
60	<i>Listeria</i>	<i>innocua</i>	UVM 662	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
61	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA- 139	Washing water		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
62	<i>Listeria</i>	<i>ivanovii</i>	ATCC BAA- 678	Sheep fetus		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
63	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv004	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
64	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv005	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
65	<i>Listeria</i>	<i>ivanovii</i>	UVM Liv006	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
66	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11289	Human feces		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
67	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11856	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
68	<i>Listeria</i>	<i>seeligeri</i>	ATCC 11889	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	- (no gro wth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	
69	<i>Listeria</i>	<i>seeligeri</i>	QL 031011- 2	Creamer		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	
70	<i>Listeria</i>	<i>seeligeri</i>	ATCC 51334	<i>Intesti'l content of Clethrionomys glareolus</i>		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	

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71	<i>Listeria</i>	<i>welshimeri</i>	QL 040713. 1	Unknown		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
72	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43548	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
73	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43549	Soil		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
74	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43550	Human feces		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
75	<i>Listeria</i>	<i>welshimeri</i>	ATCC 43551	Not Available		Q Lab s	-	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA	-	NA	EA
76	<i>Aeromonas</i>	<i>hydrophila</i>	ATCC 49140		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	EA	- (no growth)	NA (no growth)	NA (no growth)
77	<i>Aerococcus</i>	<i>viridans</i>	QL 17041.8		Raw Milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
78	<i>Bacillus</i>	<i>cereus</i>	QL 15166-1		Psyllium	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
79	<i>Burkholderia*</i>	<i>cepacia</i>	ATCC 25416		Plant-derived foodstuff	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
80	<i>Carnobacterium</i>	<i>maltaromaticum</i>	ATCC 43224		Vacuum- packed beef	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

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81	<i>Citrobacter</i>	<i>amolanaticus</i>	ATCC 25407		Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
82	<i>Enterobacter</i>	<i>aerogenes</i>	ATCC 35029		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
83	<i>Enterococcus</i>	<i>faecium</i>	ATCC 8459		Dairy Product	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
84	<i>Escherichia</i>	<i>coli</i>	QL 11010.2		Feces	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
85	<i>Klebsiella</i>	<i>oxytoca</i>	ATCC 43165		Clinical isolate. California	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
86	<i>Kocuria</i>	<i>rhizophila</i>	ATCC 9341		Soil	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
87	<i>Lactobacillus</i>	<i>casei</i>	ATCC 11578		Oral cavity	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
88	<i>Leuconostoc</i>	<i>mesenteroides</i>	QL 071011-7		Sauerkraut	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - <i>Listeria monocytogenes</i>																									
Non Target Strain							Refer ence meth od	Alternative method																	
								LT/SH MALDI-smart System																	
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID'L.mono		
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		Fin al res ult (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fina l res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation
89	<i>Lysinibacillus</i>	<i>sphaericus</i>	ATCC BAA-378	/	Not Available	Q Lab s	-	-	NA	EA	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	-	NA	EA	-	NA	EA
90	<i>Pseudomonas</i>	<i>extremorientalis</i>	QL 17041.1		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
91	<i>Providencia</i>	<i>stuartii</i>	QL 11007.5		Clinical Isolate	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
92	<i>Rhodococcus</i>	<i>equi</i>	ATCC 6939		Lung abscess of foal	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
93	<i>Staphylococcus</i>	<i>aureus</i>	QL 030911.4		Seasoning Powder	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
94	<i>Staphylococcus</i>	<i>chromogenes</i>	QL 17041.10		Raw milk	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
95	<i>Staphylococcus</i>	<i>haemolyticus</i>	ATCC 29970		Human skin	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)
96	<i>Streptococcus</i>	<i>pneumoniae</i>	ATCC 6302		Not Available	Q Lab s	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)

EXCLUSIVITY - <i>Listeria monocytogenes</i>																															
Non Target Strain							Refer ence meth od	Alternative method																							
								LT/SH MALDI-smart System																							
								TSYEA			O&A			Palcam			Oxford			MOX			RAPID' <i>L.mono</i>								
N	Species	Sub species	Referen ce	rDNA sequencing	Origin	Lab		Fin al res ult (+/-)	Altern ative metho d confir mation compa red to identit y of the strain	Final Interpr etation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Fina l res ult (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation	Final result (+/-)	Alternati ve method confirma tion compare d to identity of the strain	Final Interpret ation						
97	<i>Streptococcus</i>	<i>salivarius</i>	QL 011509-7		Pasteurized Milk	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)						
98	<i>Vibrio</i>	<i>parahaemolyticus</i>	CCUG 43364		Sea Food	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)						
99	<i>Vibrio</i>	<i>vulnificus</i>	QL 021111 B		Seafood Product	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)						
100	<i>Yersinia</i>	<i>enterocolytica</i>	ATCC 49397		Clinical Isolate. Human	Q Labs	-	-	NA	EA	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)	- (no growth)	NA (no growth)	NA (no growth)						
Total	N								100				100				100				100				100						
	PA								0				0				0				0				0						
	ND								0				0				0				0				0						
	NA								100				55				50				63				52				49		
	NA (no growth)								0				45				50				35				47				50		
	PD								0				0				0				1				0				0		
	No result								0				0				0				1				1				1		

Annex L - List of collaborators

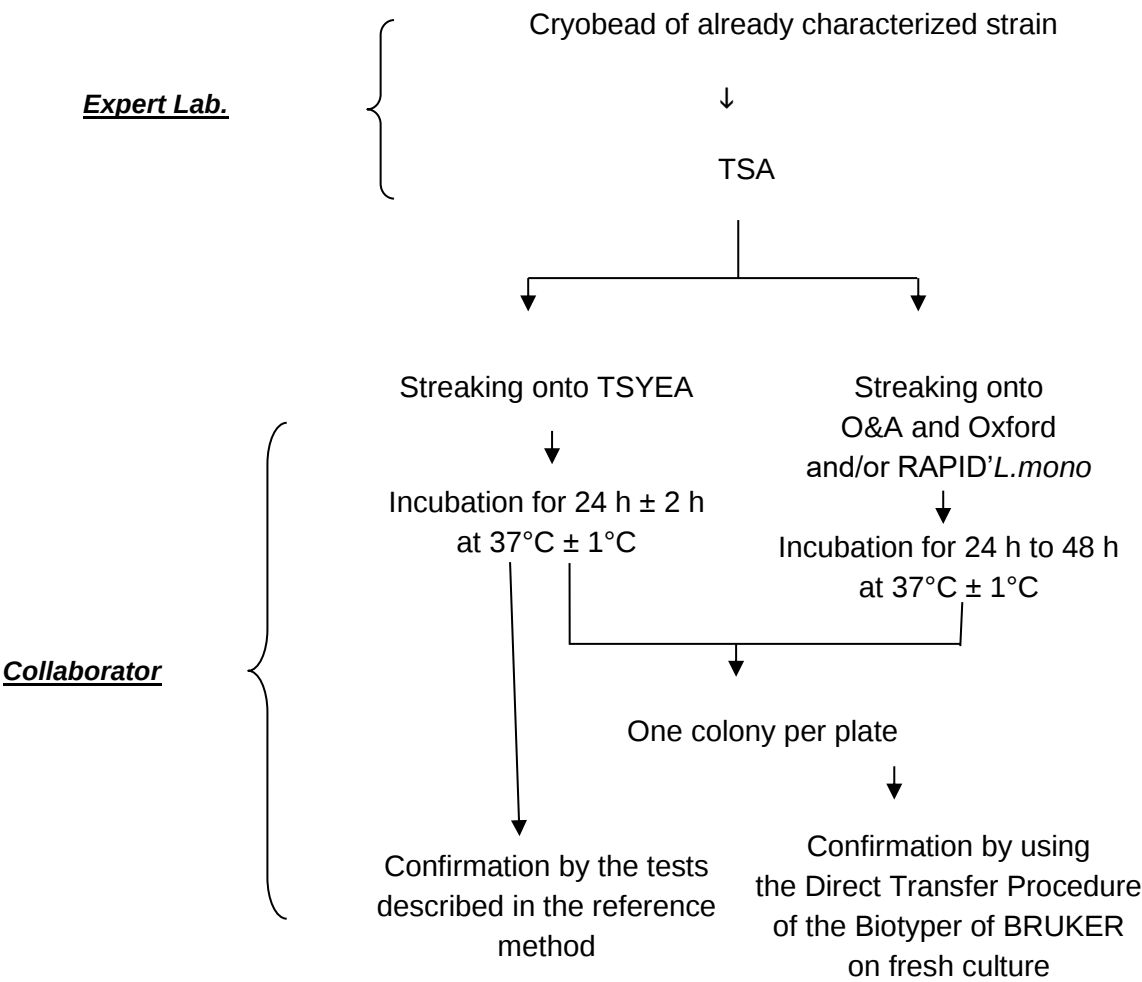
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Eurofins	11 rue Pierre Adolphe Bobierre	44323	Nantes	France
Eurofins	i54 Business Park, Valiant Way, Coven,	WV9 5GB	Wolverhampton	United-Kindom
Eurofins CLF Specialised Nutrition Testing Services GmbH	Professor-Wagner-Str. 11	61381	Friedrichsdorf	Germany
GD Animal Health	Arnsbergstraat 7	7400AA	Deventer	Netherlands
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Nederlandse Voedsel en Waren Autoriteit (VWA)	Akkermaalsbos 2 (PO box 144,6700AC)	6708 WB	Wageningen	Netherlands

Annex M - List of strains:
List of strains tested in the inter-laboratory study

	Strains	Molecular typing
Target strains	<i>Listeria monocytogenes</i> 2407/3139	IV b
	<i>Listeria monocytogenes</i> 32.183	II b
	<i>Listeria monocytogenes</i> A00C042	IV b
	<i>Listeria monocytogenes</i> Ad253	II b
	<i>Listeria monocytogenes</i> Ad270	IV b
	<i>Listeria monocytogenes</i> Ad273	II b
	<i>Listeria monocytogenes</i> Ad285	La
	<i>Listeria monocytogenes</i> Ad494	II a
	<i>Listeria monocytogenes</i> Ad534	II b
	<i>Listeria monocytogenes</i> Ad618	IV b
	<i>Listeria monocytogenes</i> Ad626	II a
	<i>Listeria monocytogenes</i> Ad816	La
	<i>Listeria monocytogenes</i> Ad1494	II a
	<i>Listeria monocytogenes</i> Ad1498	II a
	<i>Listeria monocytogenes</i> Ad1679	II b
	<i>Listeria monocytogenes</i> Ad1781	IV b
	<i>Listeria grayi</i> Ad1504	/
	<i>Listeria grayi</i> Ad2064	/
	<i>Listeria innocua</i> Ad1675	/
	<i>Listeria innocua</i> Ad1676	/
	<i>Listeria ivanovii</i> Ad1308	/
	<i>Listeria ivanovii</i> Ad1737	/
	<i>Listeria ivanovii</i> Ad1768	/
	<i>Listeria seeligeri</i> Ad2634	/
	<i>Listeria seeligeri</i> Ad2637	/
	<i>Listeria welshimeri</i> Ad1175	/
	<i>Listeria welshimeri</i> Ad1204	/
	<i>Listeria welshimeri</i> Ad1211	/
Non-target strains	<i>Bacillus pumilus</i> Ad733	/
	<i>Bacillus thuringiensis</i> Ad2067	/
	<i>Enterococcus mundtii</i> Ad1365	/
	<i>Enterococcus faecalis</i> Ad547	/
	<i>Lactococcus lactis</i> Ad425	/
	<i>Leuconostoc pseudomesenteroides</i> Ad835	/
	<i>Staphylococcus hominis</i> Ad849	/
	<i>Staphylococcus pasteurii</i> Ad1717	/

Annex N - *Listeria* spp. and *Listeria monocytogenes*
testing at the genus level

Interlaboratory Study



Annex O - Raw data inter-laboratory study

See Excel File: 2017LR75 Microval MCS AND ILS Listeria spp and mono (Version 1).xlsx; Tab «Raw data ILS- Lspp» and «Raw data ILS- Lmono »