

Extension Study Project Results
Evaluation software PURE for
BACGene Listeria Multiplex,
BACGene Listeria spp.
BACGene Listeria monocytogenes

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1 General Information

1.1 Participants

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2 Scope

In order to improve the evaluation for the BACGene *Listeria* Multiplex, BACGene *Listeria* spp. and BACGene *Listeria monocytogenes* for detection of the respective target organisms, Gold Standard Diagnostics developed an internal evaluation software called PURE.

The BACGene *Listeria* Multiplex method for *Listeria* spp. and *Listeria monocytogenes* detection, the BACGene *Listeria* spp. method for *Listeria* spp. detection and the BACGene *Listeria monocytogenes* method for *Listeria monocytogenes* detection were validated in January 2017 for a broad range of food and Environmental samples from food production (Certificate number: EGS 38/02 - 01/17, EGS 38/02 - 01/17 and EGS 38/05 - 03/17). All experiments were performed at ADRIA Développement. One extension study was performed to extend the scope to the evaluation software FastFinder by evaluation of available original results. The kits certification was renewed for the full scope in 2020. Currently an extension study for the alternative enrichment medium BACGro ULTRA *Listeria* Broth (BULB) is running, experiments are performed by ADRIA Développement and Gold Standard Diagnostics Freiburg GmbH.

The scope of this extension is to add the new internal evaluation software PURE to the scope of all NF VALIDATION certifications for BACGene *Listeria* Multiplex, BACGene *Listeria* spp. and BACGene *Listeria monocytogenes*.

3 Re-evaluation of original results from the AFNOR accuracy study

3.1 Evaluated data sets

In order to extend the scope to PURE, all available original results generated by ADRIA Développement were re-analysed with PURE, see Table 1. This included data from samples, which were tested directly after enrichment and after 72 h of storage at 2-8°C. Table 2 provides an overview of the available data sets which will be re-evaluated with PURE for the three kits and the two real-time cyclers.

Table 1: Overview of the different versions for the PURE *Listeria* plugins

BACGene kit	Real-time cycler
BACGene <i>Listeria</i> Multiplex	Agilent AriaMx Bio-Rad CFX06 Touch Standard / Deep Well
BACGene <i>Listeria</i> spp.	Agilent AriaMx Bio-Rad CFX06 Touch Standard / Deep Well
BACGene <i>Listeria monocytogenes</i>	Agilent AriaMx Bio-Rad CFX06 Touch Standard / Deep Well

Table 2: Overview of data available for re-evaluation with PURE

BACGene kit	Bio-Rad CFX96 Touch Deep Well		Agilent AriaMx	
	<i>L. spp</i> detection channel	<i>L. monocytogenes</i> detection channel	<i>L. spp</i> detection channel	<i>L. monocytogenes</i> detection channel
BACGene <i>Listeria</i> spp.		648 data sets		636 data sets
BACGene <i>Listeria monocytogenes</i>		711 data sets		708 data sets
BACGene <i>Listeria</i> Multiplex	564 data sets	564 data sets	638 data sets	694 data sets

3.2 BACGene *Listeria* spp.

3.2.1 Results AriaMX

Results for all re-evaluated data sets for the AriaMX are summarized in the Annex, Tables LSS A1.1 to A1.6. Within this data set, no deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed. Consequently, no deviation regarding scoring of agreements between PCR, confirmation and ISO results are observed.

3.2.2 Results Bio-Rad CFX96

Results for all re-evaluated data sets for the Bio-Rad CFX96 are summarized in the Annex, Tables LSS C1.1 to C1.6. Within this data set, one deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed for sample “6838 – 18h”. For this sample, the agreement between PCR and the reference results changed from “NA” to “PPNA”. For all other samples, the agreements between PCR, confirmation and ISO results remain unchanged.

3.2.3 Discussion of discordant results

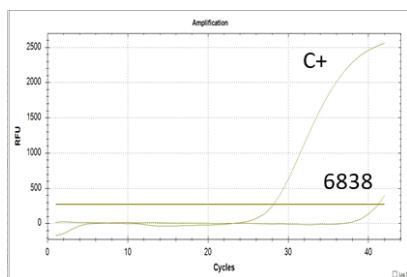
The amplification plot of sample “6838 – 18h” is shown below (Figure 1, pos. control signal included as reference), showing a late curve. Both scoring relevant parameters, Cq and dR (endpoint fluorescence), are in the range of the defined respective cut-off values. The application of different evaluation algorithms can lead to a difference in the final scoring of such samples.

However, a PCR based amplification can be observed and therefore, the positive scoring of this sample according to the new algorithm applied in PURE is reasonable.

Since this sample is still rated as “NA” for calculation of relative trueness (RT), sensitivity (SE) and analyses of discordant results (“(ND+PPND)-PD value”), these parameters of the alternative method remain unchanged.

Considering the changed scoring (“NA” – “PPNA”), the false positive ratio (FPR) of the alternative method slightly increases.

Figure 1: Real-time PCR data for sample 6838 on the CFX96



3.3 BACGene *Listeria* Multiplex (target *Listeria* spp.)

3.3.1 Results AriaMX

Results for all re-evaluated data sets for the AriaMX are summarized in the Annex, Tables LSM A2.1 to A2.6. Within this data set, one deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed for sample “4200 – 18+72h”. Initially, the PCR was scored positive and the PURE evaluation yields a negative scoring. For this sample, the agreement between PCR and the reference results changed from “PPND” to “ND”. For all other samples, the agreements between PCR, confirmation and ISO results remain unchanged.

3.3.2 Results Bio-Rad CFX96

Results for all re-evaluated data sets for the Bio-Rad CFX96 are summarized in the Annex, Tables LSM C2.1 to C2.6. Within this data set, nine deviations between the initial scoring of the PCR result and the respective data evaluated with PURE were observed. The respective data is summarized in Table 3. For all other samples, the agreements between PCR, confirmation and ISO results remain unchanged.

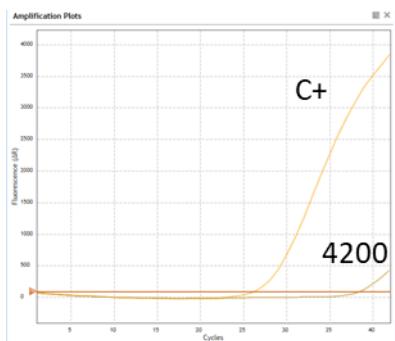
Table 3: Discordant results in the dataset BACGene *Listeria* Multiplex (target *Listeria* spp) on the Bio-Rad CFX96

Category	Type	Sample No.	Timepoint	ISO	Conf.	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (frozen or fresh)	4110	18h	negative	positive	positive	negative	PD	NA
Milk & Dairy products	Heat treated products	6671	18h	negative	negative	positive	negative	PPNA	NA
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	4682	18h	negative	negative	positive	negative	PPNA	NA
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	5796	18+72h	negative	negative	positive	negative	PPNA	NA
Seafood and fishery products	Raw products (frozen or fresh)	4968	18h	negative	negative	positive	negative	PPNA	NA
Seafood and fishery products	Raw products (frozen or fresh)	5802	18h	negative	negative	positive	negative	PPNA	NA
Meat products	Raw and cooked delicatessen	4544	18+72h	positive	negative	positive	negative	PPND	ND
Seafood and fishery products	Cured & smoked	4966	18h	positive	negative	positive	negative	PPND	ND
Seafood and fishery products	Ready to eat, Ready to reheat	3988	18h	positive	negative	positive	negative	PPND	ND

3.3.3 Discussion of discordant results on the AriaMX

The amplification plot of sample “4200 – 18+72h” is shown in Figure 1 (pos. control signal included as reference), showing a late amplification curve, that was rated as positive in the initial evaluation. However, scoring relevant parameters Cq and dR are in the range of the defined respective cut-off values and the scoring as negative with PURE is also reasonable and justified. Accordingly, the final agreement result of this sample is changing from “PPND” to “ND”. This change has no influence on the (ND+PPND)-PD value for this category and for all categories combined. Sensitivity and relative trueness are not affected, while the false positive rate is decreased.

Figure 2: Real-time PCR data for sample “4200 – 18+72h” on the Aria



3.3.4 Discussion of discordant results on the Bio-Rad CFX96

Amplification plots of all discordant samples are shown in figure 3 A – I (pos. control signal included as reference). All samples show a fluorescence increase at the very late stage of the PCR reaction and were initially scored positive. Evaluation of these samples with the PURE software solution results in a negative scoring for these samples.

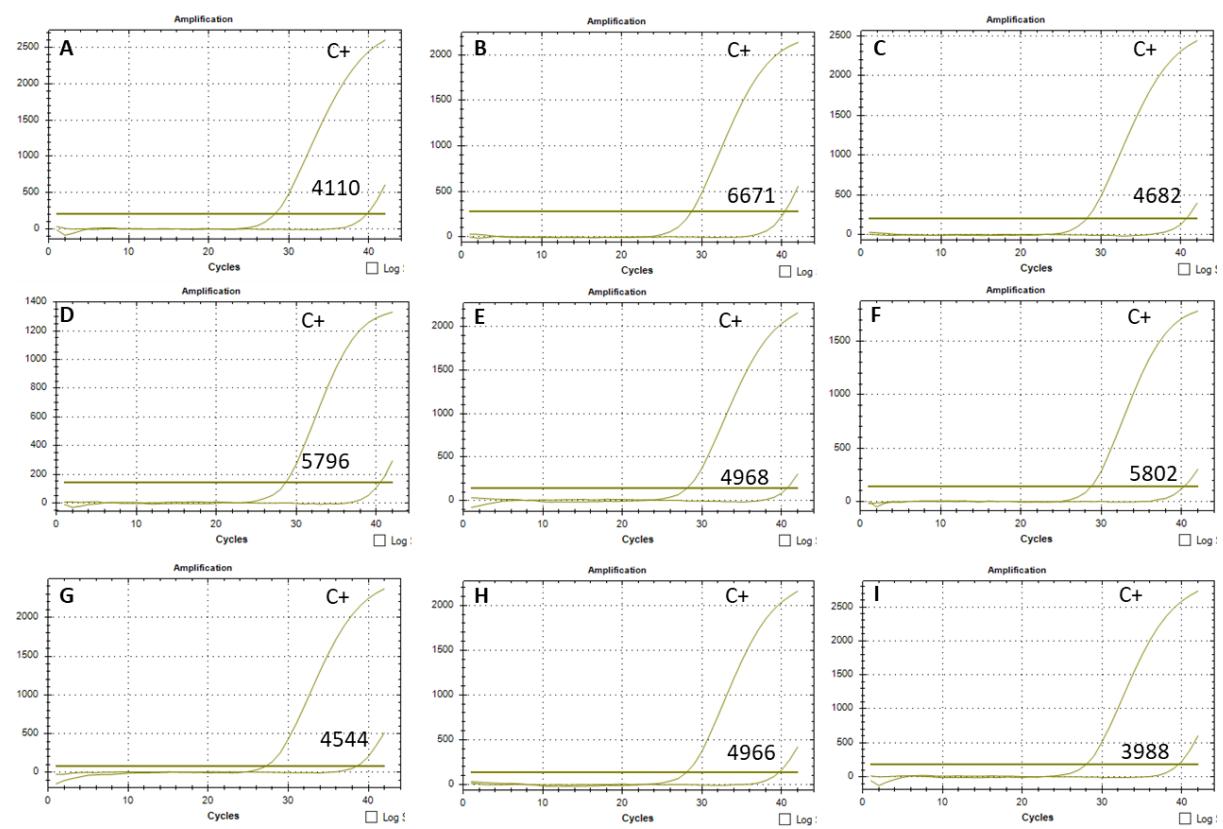
Depending on the cultural confirmation and reference results, three types of changes regarding the agreements are observed.

The agreement for sample “4110 – 18h” changes from “PD” to “NA” and accordingly, (ND+PPND)-PD value (+1), as well as sensitivity (minor decrease) and relative trueness (minor increase) change.

The agreement for sample “6671 - 18h”, “4682 - 18h”, “5796 - 18+72h”, “4968 - 18h” and “5802 - 18h” change from “PPNA” to “NA”, which has no impact on calculations of (ND+PPND)-PD value and sensitivity and relative trueness of the alternative method, while the false-positive ratio is decreased.

The agreement for sample “4544 - 18+72h”, “4966 - 18h” and “3988 - 18h” change from “PPND” to “NA”, which has no impact on calculations of (ND+PPND)-PD value and sensitivity and relative trueness of the alternative method, while the false-positive ratio is decreased.

Figure 3A - G: Real-time PCR data for discordant results BACGene Listeria Multiplex (*Listeria* spp. target) on the Bio-Rad CFX96



3.4 BACGene *Listeria* Multiplex (target *Listeria monocytogenes*)

3.4.1 Results AriaMX

Results for all re-evaluated data sets for the AriaMX are summarized in the Annex, Tables LMM A3.1 to A3.6. Within this data set, one deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed. Sample “5802 - 18h” was initially scored negative, while the PURE evaluation yields a questionable result. An impact on the agreement cannot be assessed, since repetition of the sample would be required (see 3.4.3).

3.4.2 Results Bio-Rad CFX96

Results for all re-evaluated data sets for the Bio-Rad CFX96 are summarized in the Annex, Tables LMM C3.1 to C3.6. Within this data set, three deviations between the initial scoring of the PCR result and the respective data evaluated with PURE were observed. Samples “4128 - 18h”, “6615- 18+72h” and “4110 - 18h” were initially scored negative, while the evaluation with PURE resulted in a positive scoring for all samples in the *Listeria monocytogenes* target.

However, sample “4110 - 18h” is rated as questionable, which is due to the underlying evaluation logic applied in BACGene *Listeria* Multiplex. A positive result for *Listeria monocytogenes* is expected to coincide with a positive result for the *Listeria spp.* target in one sample and if this is not the case, the sample is rated as questionable.

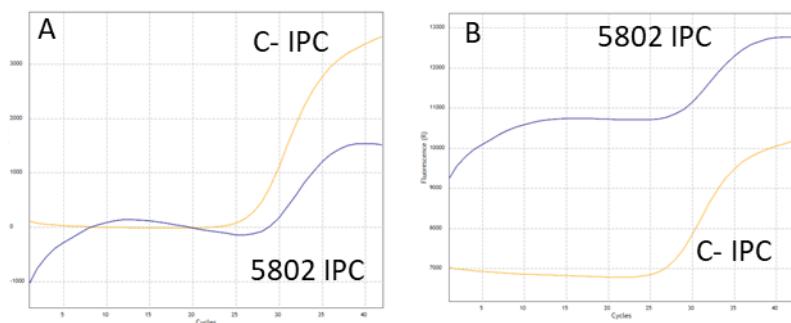
The respective agreements change from “NA” to “PD” for “6615- 18+72h”, “ND(FN)” to “PA” for “4128 - 18h” and from “NA” to “Questionable” for “4110 - 18h”.

3.4.3 Discussion of discordant results on the AriaMX

The scoring as questionable for the *Listeria monocytogenes* sample “5802 - 18h” is a result of the amplification curve of the internal positive control (IPC) rated as inconclusive and therefore invalid. The PURE algorithm rated the *Listeria monocytogenes* amplification data of this sample as negative, which is in alignment with the initial scoring, but in combination with the IPC scoring, the sample is rated as questionable.

The normalized amplification plot of the internal positive control of “5802” is shown in Figure 4A (negative control IPC signal included as reference), showing a curve progression not resembling a typical PCR-based fluorescence increase. Therefore, the rating of the PURE algorithm is reasonable and further analyses of the raw data indicates the occurrence of a technical artefact (Figure 4B, negative control IPC signal included as reference). Repetition of the PCR, which is the recommended first measure in case of a questionable result, is expected to yield valid IPC and a negative *Listeria monocytogenes* scoring for sample “5802 - 18h” and in consequence no negative impact on applying PURE data evaluation.

Figure 4A & B: Real-time PCR data for the IPC of sample “5802 – 18h” on the AriaMX



3.4.4 Discussion of discordant results on the Bio-Rad CFX96

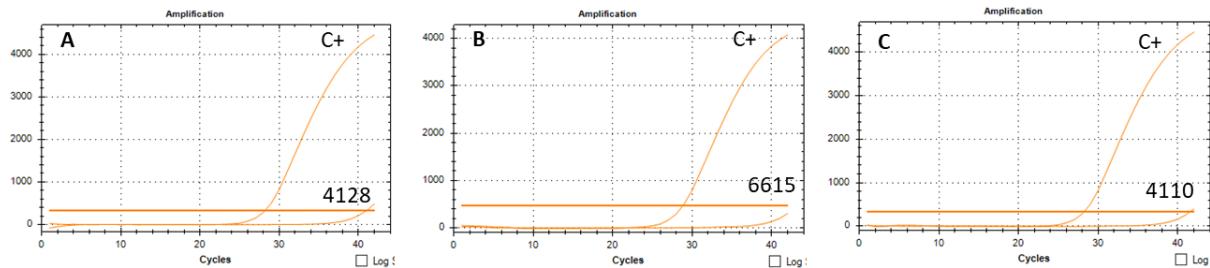
Amplification plots of all discordant samples are shown in figure 5 A – C (pos. control signal included as reference). All samples show a fluorescence increase at the very late stage of the PCR reaction, which yield high Cq or “No Cq” values and were initially scored negative. The results still indicate a PCR-based fluorescence increase and therefore, the scoring as positive with evaluation by PURE is reasonable.

For “6615 - 18+72h”, the corresponding agreement changes from “NA” to “PD”. Since this result is coming from the re-testing after 72h, this change has no impact on calculations of sensitivity, relative trueness or the false-positive ratio of the alternative method, but changes the respective (ND+PPND)-PD value, which is decreased by “1”.

For “4128 - 18h”, the corresponding agreement changes from “ND(FN)” to “PA”, which leads to an increase in the calculated values for sensitivity and relative trueness. The respective (ND+PPND)-PD value is decreased by “1”.

The change of “4110 - 18h” from “NA” to “Questionable” does not impact sensitive (ND+PPND)-PD value and sensitivity, while relative trueness and false-positive ratio would slightly increase. The changes derive from reducing total numbers used in the respective calculations. Additionally, re-testing of this sample in order to get an unambiguous result would be reasonable, therefore no general negative impact of the PURE algorithm is indicated.

Figure 5A - C: Real-time PCR data for discordant results BACGene Listeria Multiplex (*Listeria monocytogenes* target) on the Bio-Rad CFX96



3.5 BACGene *Listeria monocytogenes*

3.5.1 Results AriaMX

Results for all re-evaluated data sets for the AriaMX are summarized in the Annex, Tables LMS A4.1 to A4.6.

Within this data set, seven deviations between the initial scoring of the PCR result and the respective data evaluated with PURE were observed. The respective data is summarized in table 4. For all other samples, the agreements between PCR, confirmation and ISO results remain unchanged.

Table 4: Discordant results in the dataset BACGene *Listeria monocytogenes* (target *Listeria monocytogenes*) on the AriaMX

Category	Type	Sample No.	Timepoint	ISO	Conf.	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Cleaning and Process Waters	3355	18h	positive	positive	negative	positive	ND(FN)	PA
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	4286	18h	negative	negative	negative	positive	NA	PPNA
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	positive	NA	PPNA
Milk & Dairy Products	Heat treated products	4312	18h	negative	negative	negative	positive	NA	PPNA
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	4304	18h	negative	negative	negative	positive	NA	PPNA
Vegetables	Raw products (fresh and frozen)	4298	18h	negative	negative	negative	positive	NA	PPNA
Milk & Dairy Products	Raw milk cheeses	4528	18h	positive	negative	negative	positive	ND	PPND

3.5.2 Results Bio-Rad CFX96

Results for all re-evaluated data sets for the Bio-Rad CFX96 are summarized in the Annex, Tables LMS C4.1 to C4.6. Within this data set, five deviations between the initial scoring of the PCR result and the respective data evaluated with PURE were observed.

The respective data is summarized in table 5. For all other samples, the agreements between PCR, confirmation and ISO results remain unchanged.

Table 5: Discordant results in the dataset BACGene *Listeria monocytogenes* (target *Listeria monocytogenes*) on the Bio-Rad CFX96

Category	Type	Sample No.	Timepoint	ISO	Conf.	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	4116	18h	positive	positive	negative	positive	ND(FN)	PA
Environmental Samples	Cleaning and Process Waters	3355	18h	positive	positive	negative	positive	ND(FN)	PA
Milks & Dairy Products	Heat treated products	4309	18h	negative	negative	negative	positive	NA	PPNA
Meat Products	Raw and cooked delicatessen	4544	18+72h	positive	negative	negative	positive	ND	PPND
Milks & Dairy Products	Raw milk cheeses	4528	18+72h	positive	negative	negative	positive	ND	PPND

3.5.3 Discussion of discordant results on the AriaMX

Amplification plots of all discordant samples are shown in figure 6 A – G (pos. control signal included as reference). All samples show a fluorescence increase at the very late stage of the PCR reaction, which yield high Cq or “No Cq” values and were initially scored negative. The results still indicate a PCR-based fluorescence increase and therefore, the scoring as positive with evaluation by PURE is reasonable.

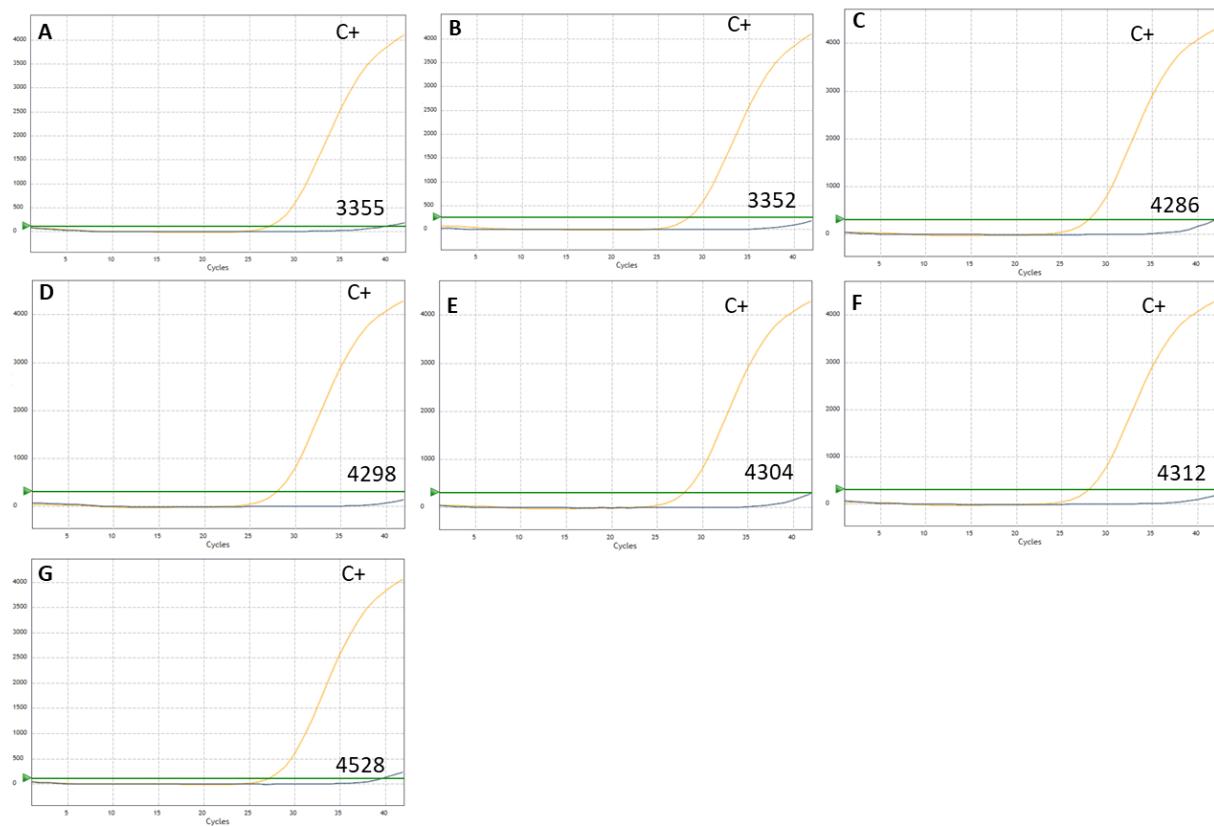
Depending on the cultural confirmation and reference results, three types of changes regarding the agreements are observed.

The agreement for sample “3355 – 18h” changes from “ND(FN)” to “PA” and accordingly, calculation of sensitivity (increase) and relative trueness (increase) change, while the false-positive rate stays unaffected and (ND+PPND)-PD value is decreased by one (-1).

The agreement for sample “4286- 18h”, “3352- 18h”, “4312- 18”, “4304- 18h” and “4298- 18h” change from “NA” to “PPNA”, which has no impact on calculations of (ND+PPND)-PD value and sensitivity and relative trueness of the alternative method, while the false-positive ratio is slightly increased.

The agreement for sample “4528 - 18” changes from “ND” to “PPND”, which has no impact on calculations of (ND+PPND)-PD value and sensitivity and relative trueness of the alternative method, while the false-positive ratio is slightly increased.

Figure 6A - G: Real-time PCR data for discordant results BACGene *Listeria monocytogenes* (*Listeria monocytogenes* target) on the AriaMX



3.5.4 Discussion of discordant results on the Bio-Rad CFX96

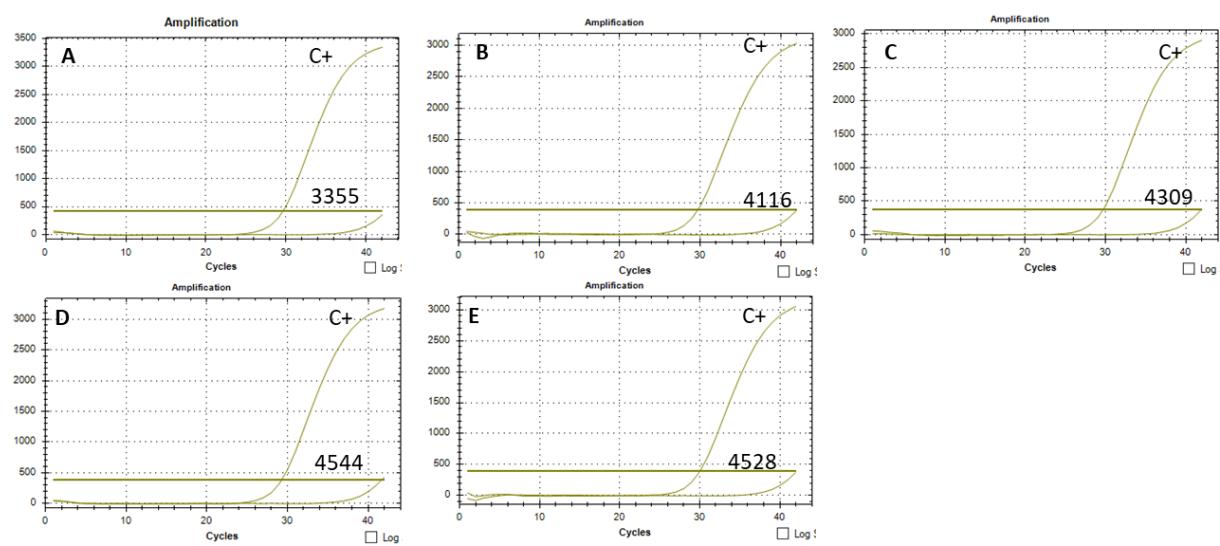
Amplification plots of all discordant samples are shown in figure 7 A – E (pos. control signal included as reference). All samples show a fluorescence increase at the very late stage of the PCR reaction, which yield high Cq or “No Cq” values and were initially scored negative. The results still indicate a PCR-based fluorescence increase and therefore, the scoring as positive with evaluation by PURE is reasonable.

The agreement for samples “4116 - 18h” and “3355 - 18h” change from “ND(FN)” to “PA” and accordingly, calculation of sensitivity and relative trueness increase, while the false-positive rate stays unaffected and (ND+PPND)-PD value is decreased by two (-2).

The agreement for sample “4309 - 18h” changes from “NA” to “PPNA”, which has no impact on calculations of (ND+PPND)-PD value and sensitivity and relative trueness of the alternative method, while the false-positive ratio is slightly increased.

The agreement for sample “4544 - 18+72h” and “4528 - 18+72h” change from “ND” to “PPND”, which has no impact on calculations of (ND+PPND)-PD value and sensitivity and relative trueness of the alternative method, while the false-positive ratio is slightly increased.

Figure 7A - E: Real-time PCR data for discordant results BACGene *Listeria monocytogenes* (*Listeria monocytogenes* target) on the Bio-Rad CFX96



4 Re-evaluation of original results from the AFNOR RLOD study

4.1 Evaluated datasets

For the RLOD study 8 matrices were originally analyzed: Mayonnaise-based vegetable salad (25 g), Frankfurter sausages (25 g), Raw milk (25 mL, L. *monocytogenes* only), Cantaloupe (frozen balls) (25 g), Smoked salmon (25 g, L. *monocytogenes* only), Soft white cheese (25 g, L. spp. only), Frozen shrimp (25 g, L. spp. only) and process water (25 mL).

The original data will be re-evaluated with PURE for the Agilent AriaMx and the Bio-Rad CFX96 Touch Deep Well. Table 7 provides details of the data sets available for the re-evaluation. The numbers of samples, that were available for re-analysis with PURE, deviated from the numbers announced in the proposal. In total, 1,337 instead of 1,233 results were re-analysed rendering the data set more robust (deviations are marked in blue in Table 7, initial numbers are given in brackets).

Table 6: Details for available data sets for re-evaluation with PURE

Matrix	BACGene <i>Listeria</i> Multiplex / mono		spp.	BACGene <i>Listeria</i> spp.		BACGene <i>Listeria</i> <i>monocytogenes</i>	
	CFX	Aria		CFX	Aria	CFX	Aria
Mayonnaise-based vegetable salad	27 / 28	30 / 30	30	29 (0)	30	30	30
Frankfurter sausages	29 / 30	20 (30) / 20 (30)	30 (29)	30 (0)	30	30	30
Raw milk	- / 30 (29)	- / 30 (29)	-	-	29	30	30
Cantaloupe (frozen balls)	25 (30) / 29 (0)	25 / 29 (30)	30	30 (0)	30	29	29
Smoked salmon	- / 30	- / 30	-	-	30	30	30
Soft white cheese	30 / -	27 (30) / -	29	30	-	-	-
Frozen cooked shrimp	25 (30) / -	25 (30) / -	25	25	-	-	-
Process water	29 (30) / 29 (30)	25 / 25	21	25 (24)	24 (0)	24 (25)	
Total	165 (176) / 176 (147)	152 (170) / 164 (174)	165 (164)	169 (79)	173 (149)	173 (174)	
% of total data	91.7 (97.7) / 97.8 (81.6)	84.4 (94.4) / 91.1 (96.6)	91.7 (91.1)	93.3 (43.8)	96.1 (82.7)	96.1 (96.6)	

4.2 *Listeria* spp. target analysed with BACGene *Listeria* spp. and BACGene *Listeria* Multiplex

Results for all re-evaluated data sets for AriaMX and Bio-Rad CFX96 are summarized in the Annex, Tables R1.1 to R1.6. Within this data set, one deviation between the initial scoring of the PCR result and the respective data evaluated with PURE were observed.

Sample “6983” from the “Process Water – low spiking level” data set was initially scored as positive and is scored as questionable by PURE evaluation.

4.3 *Listeria monocytogenes* target analysed with BACGene *Listeria monocytogenes* and BACGene *Listeria* Multiplex

Results for all re-evaluated data sets for AriaMX and Bio-Rad CFX96 are summarized in the Annex, Tables R2.1 to R2.6. Within this data set, no deviation between the initial scoring of the PCR result and the respective data evaluated with PURE were observed. Accordingly, numbers regarding positive and negative scoring for RLOD calculation remain unchanged.

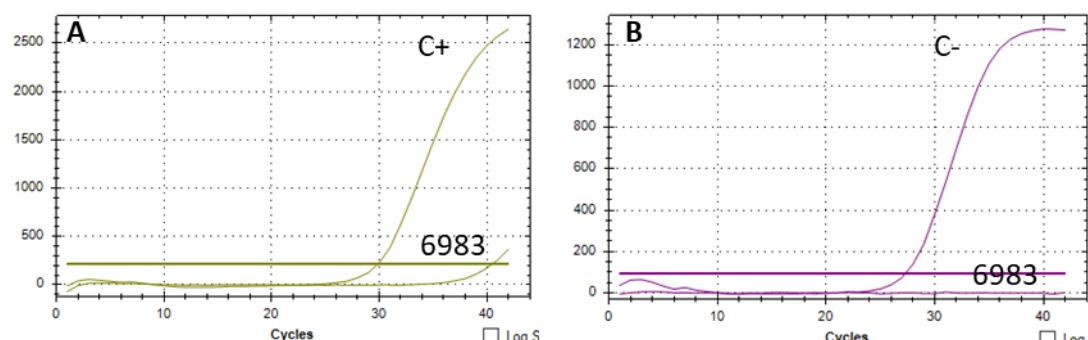
4.4 Analysis of discordant results from *Listeria* spp. target analysed with BACGene *Listeria* spp. and BACGene *Listeria* Multiplex

Amplification plots of sample “6983” from the data set “Process Water – low spiking level” on the Bio-Rad CFX96 BACGene *Listeria* spp. are shown in figure 8 A & B (A: *Listeria* spp target, pos. control signal included as reference; B: IPC target, neg. control signal included as reference). Fluorescence increase at the late stages of the PCR reaction can be observed in the *Listeria* spp. target, but due to the late progression, a negative scoring of this sample is reasonable. No amplification can be observed in the IPC channel and therefore, the negative scoring with evaluation by PURE is unambiguous. The combination of the two single PCR results lead to a scoring as “questionable” for this sample. Ideally, this sample would have been repeated for PURE evaluation, which is not possible.

A negative scoring of this sample would change the number from 13 of 20 to 12 from 20 positive samples for the alternative method (ISO: 9 from 20 positive), which would have only a minor impact on the calculated RLOD value.

Therefore, a general negative impact of evaluation with PURE is not indicated.

Figure 8: Real-time PCR data for sample “6983” discordant result BACGene *Listeria monocytogenes* on the Bio-Rad CFX96



5 Re-evaluation of original results from the AFNOR inclusivity / exclusivity study

5.1 Evaluated data sets

For the original study 50 *Listeria monocytogenes* strains were analysed with the BACGene *Listeria* Multiplex (L. *monocytogenes* and *Listeria* spp. detection channel) and the BACGene *Listeria monocytogenes* kit for the Agilent AriaMx and the Bio-Rad CFX96. All data was available for re-evaluation. Inclusivity data sets for the BACGene *Listeria* Multiplex (L. spp. detection channel) and the BACGene *Listeria* spp. as well as exclusivity data for all three kits are not available for re-evaluation.

5.2 Results BACGene *Listeria* Multiplex and BACGene *Listeria monocytogenes*

All 50 *Listeria monocytogenes* strains yielded positive PCR results in all detection channels in both kits and on both cyclers. The results are summarized in Annex Table I.

6 Conclusion

The aim of this study was to show that data evaluation of BACGene *Listeria* spp., BACGene *Listeria* Multiplex and BACGene *Listeria monocytogenes* real-time PCR results with the PURE software solution does not affect the performance parameters of the method as previously validated and certified (EGS 38/02 - 03/17, EGS 38/05 - 03/17 and EGS 38/03 - 01/17, respectively).

In total, 6,800 amplification curves from all kits on all cyclers and across all experiment data sets were re-evaluated with the PURE software solution. Comparison of the final PCR result of the initial data evaluation with the new data set from PURE, showed 28 different final result, corresponding to 0.42% of all analyses. Due to the different algorithms applied in both evaluation approaches, such differences cannot be excluded for samples with scoring-relevant values in the range of applied cut-offs.

In the accuracy data set, 27 deviations between the initial and the evaluation with PURE have been observed (see chapter 3). These deviations and their impact on the calculated performance parameters sensitivity (SE), relative trueness (RT), false positive ratio (FPR) and discordant results (“(ND+PPND)-PD value”) of the alternative method are summarized in Table 7 (positive impacts marked in green, negative impacts marked in orange).

Table 7 Summary of discordant results and impact on parameters of the alternative method

Changes	Sensitivity	Relative Trueness	False-positive Ratio	Discordance
NA -> PD	none*	none*	none*	-1
ND(FN) -> PA	increase	increase	none	-1
ND(FN) -> PA	increase	increase	none	-1
ND(FN) -> PA	increase	increase	none	-1
ND(FN) -> PA	increase	increase	none	-1
PD -> NA	decrease	decrease	none	+1
NA -> PPNA	none	none	increase	none
NA -> PPNA	none	none	increase	none
NA -> PPNA	none	none	increase	none
NA -> PPNA	none	none	increase	none
NA -> PPNA	none	none	increase	none
NA -> PPNA	none	none	increase	none
NA -> PPNA	none	none	increase	none
ND -> PPND	none	none	increase	none
ND -> PPND	none*	none*	none*	none
ND -> PPND	none*	none*	none*	none
PPNA -> NA	none	none	decrease	none
PPNA -> NA	none	none	decrease	none
PPNA -> NA	none	none	decrease	none
PPNA -> NA	none	none	decrease	none
PPNA -> NA	none*	none*	none*	none
PPND -> ND	none	none	decrease	none
PPND -> ND	none	none	decrease	none
PPND -> ND	none*	none*	none*	none
PPND -> ND	none*	none*	none*	none
NA -> Q	na	na	na	na
NA -> Q	na	na	na	na

* "18+72h" data set not used for calculation sensitivity, relative trueness and false-positive ratio

11 deviations had a positive impact on the relevant parameters, while only 9 deviations had a negative impact. 7 deviations did not influence the calculated values.

In total, observed deviations lead to a positive impact on the overall performance parameters of the method. Although false positive ratio (FPR) slightly increases, the calculated values for sensitivity (SE), relative trueness (RT) and discordant results ("(ND+PPND)-PD value") improve.

The re-evaluation of the available RLOD data yielded one deviation (see chapter 4). However, for this deviation, it has to be considered that the respective sample is now scored as questionable. In case such a result would have occurred in the initial validation study, the respective PCR reaction would have been repeated in order to receive an unambiguous result. Furthermore, even a negative result for this single sample would only have a minor impact on the RLOD calculation results.

Within the available inclusivity data (see chapter 5), no deviation was observed and therefore a negative impact of data evaluation with PURE is not indicated.

Taking all results of this study into account, data evaluation of BACGene *Listeria* spp., BACGene *Listeria* Multiplex and BACGene *Listeria monocytogenes* real-time PCR results with PURE fulfils all relevant requirements and can be included in the scopes of EGS 38/02 - 03/17, EGS 38/05 - 03/17 and EGS 38/03 - 01/17, respectively.

7 Annex

Note: In all following tables, agreements between the scoring of the initial PCR result and data re-evaluated with PURE are highlighted in green, while deviations are highlighted in orange.

Table LSS A1.1 Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18h	positive	negative	negative	negative	ND	ND
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4120	18h	negative	negative	negative	negative	NA	NA
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4288	18h	positive	negative	negative	negative	ND	ND
		4288	18+72h	positive	negative	negative	negative	ND	ND
		4293	18h	positive	negative	negative	negative	ND	ND
		4293	18+72h	positive	negative	negative	negative	ND	ND
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5023	18+72h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5030	18h	positive	positive	positive	positive	PA	PA
		5030	18+72h	positive	positive	positive	positive	PA	PA
		5231	18h	positive	positive	positive	positive	PA	PA
		5231	18+72h	positive	positive	positive	positive	PA	PA
		5232	18h	positive	positive	positive	positive	PA	PA
		5232	18+72h	positive	positive	positive	positive	PA	PA
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3015	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	positive	positive	PPNA	PPNA
		4116	18h	positive	positive	positive	positive	PA	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4127	18h	negative	negative	positive	positive	PPNA	PPNA
		4127	18+72h	negative	negative	positive	positive	PPNA	PPNA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	positive	positive	positive	positive	PA	PA
		4294	18+72h	positive	positive	positive	positive	PA	PA
		4754	18h	positive	positive	positive	positive	PA	PA
		4754	18+72h	positive	positive	positive	positive	PA	PA
		4755	18h	positive	positive	positive	positive	PA	PA

Table LSS A1.1 (continued) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4758	18h	positive	positive	positive	positive	PA	PA
		4758	18+72h	positive	positive	positive	positive	PA	PA
		5033	18h	negative	positive	positive	positive	PD	PD
		5033	18+72h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5036	18h	negative	negative	negative	negative	NA	NA
		3013	18h	negative	negative	negative	negative	NA	NA
Composite foods / Ready-to-eat and ready-to-reheat	Confectionaries, pastries and egg products	4188	18h	positive	positive	positive	positive	PA	PA
		4188	18+72h	positive	positive	positive	positive	PA	PA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	positive	positive	positive	positive	PA	PA
		4190	18+72h	positive	positive	positive	positive	PA	PA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	positive	positive	positive	positive	PA	PA
		4747	18+72h	positive	positive	positive	positive	PA	PA
		4748	18h	negative	positive	positive	positive	PD	PD
		4748	18+72h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA

Table LSS A1.2 Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw products (frozen or fresh)	3007	18h	negative	positive	positive	positive	PD	PD
		3007	18+72h	negative	positive	positive	positive	PD	PD
		3009	18h	positive	positive	positive	positive	PA	PA
		3009	18+72h	positive	positive	positive	positive	PA	PA
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	positive	positive	positive	PD	PD
		3011	18+72h	negative	positive	positive	positive	PD	PD
		3722	18h	positive	negative	negative	negative	ND	ND
		3722	18+72h	positive	negative	negative	negative	ND	ND
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	positive	positive	positive	PD	PD
		3735	18+72h	negative	positive	positive	positive	PD	PD
		3736	18h	positive	positive	positive	positive	PA	PA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18h	positive	negative	negative	negative	ND	ND
		4109	18+72h	positive	negative	negative	negative	ND	ND
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	positive	positive	positive	PA	PA
		4118	18+72h	positive	positive	positive	positive	PA	PA
		4128	18h	positive	positive	positive	positive	PA	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
		6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		6843	18h	negative	negative	negative	negative	NA	NA
		6844	18h	negative	negative	negative	negative	NA	NA
		6845	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
	Meat based products ready to reheat	3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	positive	positive	positive	positive	PA	PA
		3994	18+72h	positive	positive	positive	positive	PA	PA
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	positive	positive	positive	positive	PA	PA
		4196	18+72h	positive	positive	positive	positive	PA	PA
		4197	18h	negative	positive	positive	positive	PD	PD
		4197	18+72h	negative	positive	positive	positive	PD	PD
		4198	18h	negative	positive	positive	positive	PD	PD
		4198	18+72h	negative	positive	positive	positive	PD	PD
		4199	18h	positive	positive	positive	positive	PA	PA
		4199	18+72h	positive	positive	positive	positive	PA	PA

Table LSS A1.2 (continued) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat based products ready to reheat	Meat based products ready to reheat	4200	18h	positive	negative	negative	negative	ND	ND
		4200	18+72h	positive	negative	negative	negative	ND	ND
		4201	18h	positive	positive	positive	positive	PA	PA
		4201	18+72h	positive	positive	positive	positive	PA	PA
		7032	18h	negative	negative	negative	negative	NA	NA
		7033	18h	negative	negative	negative	negative	NA	NA
		7034	18h	negative	negative	negative	negative	NA	NA
		7035	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
		7037	18h	negative	negative	negative	negative	NA	NA
		7038	18h	negative	negative	negative	negative	NA	NA
		7039	18h	negative	negative	negative	negative	NA	NA
		7040	18h	negative	negative	negative	negative	NA	NA
		7041	18h	negative	negative	negative	negative	NA	NA
Meat Products	Raw and cooked delicatessen	3008	18h	negative	positive	positive	positive	PD	PD
		3008	18+72h	negative	positive	positive	positive	PD	PD
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	positive	positive	positive	positive	PA	PA
		3727	18+72h	positive	positive	positive	positive	PA	PA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4545	18h	negative	positive	positive	positive	PD	PD
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18h	positive	negative	negative	negative	ND	ND
		4684	18+72h	positive	negative	negative	negative	ND	ND
		7048	18h	negative	negative	negative	negative	NA	NA
		7049	18h	negative	negative	negative	negative	NA	NA
		7050	18h	negative	negative	negative	negative	NA	NA
		7051	18h	negative	negative	negative	negative	NA	NA
		7052	18h	negative	negative	negative	negative	NA	NA
		7053	18h	negative	negative	negative	negative	NA	NA
		7054	18h	negative	negative	negative	negative	NA	NA
		7055	18h	negative	negative	negative	negative	NA	NA

Table LSS A1.3 Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3340	18+72h	negative	positive	positive	positive	PD	PD
		3342	18h	positive	negative	negative	negative	ND	ND
		3342	18+72h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	positive	positive	positive	PD	PD
		3990	18+72h	negative	positive	positive	positive	PD	PD
		3991	18h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4526	18+72h	positive	negative	negative	negative	ND	ND
		4527	18h	positive	positive	positive	positive	PA	PA
		4527	18+72h	positive	positive	positive	positive	PA	PA
		4528	18h	positive	positive	positive	positive	PA	PA
		4528	18+72h	positive	positive	positive	positive	PA	PA
		4529	18h	negative	positive	positive	positive	PD	PD
		4529	18+72h	negative	positive	positive	positive	PD	PD
		4530	18+72h	positive	positive	positive	positive	PA	PA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	positive	positive	positive	positive	PA	PA
		5952	18+72h	positive	positive	positive	positive	PA	PA
Other products based on raw milk	Other products based on raw milk	3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	positive	positive	positive	positive	PA	PA
		4532	18+72h	positive	positive	positive	positive	PA	PA
		4533	18h	positive	positive	positive	positive	PA	PA
		4533	18+72h	positive	positive	positive	positive	PA	PA
		4534	18h	positive	positive	positive	positive	PA	PA
		4534	18+72h	positive	positive	positive	positive	PA	PA
		4535	18h	positive	positive	positive	positive	PA	PA
		4535	18+72h	positive	negative	negative	negative	ND	ND

Table LSS A1.3 (continued) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Other products based on raw milk	4536	18h	positive	positive	positive	positive	PA	PA
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
	Heat treated products	3006	18h	negative	positive	positive	positive	PD	PD
		3006	18+72h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	positive	positive	positive	PD	PD
		3349	18+72h	negative	positive	positive	positive	PD	PD
		4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18h	positive	negative	negative	negative	ND	ND
		4310	18h	positive	positive	positive	positive	PA	PA
		4310	18+72h	positive	positive	positive	positive	PA	PA
		4311	18h	positive	positive	positive	positive	PA	PA
		4311	18+72h	positive	positive	positive	positive	PA	PA
		4312	18h	positive	positive	positive	positive	PA	PA
		4312	18+72h	positive	positive	positive	positive	PA	PA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	positive	positive	positive	PD	PD
		4330	18+72h	negative	positive	positive	positive	PD	PD
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		5962	18h	positive	positive	positive	positive	PA	PA
		5962	18+72h	positive	positive	positive	positive	PA	PA
		6671	18+72h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA
		6833	18h	negative	negative	negative	negative	NA	NA
		6834	18h	negative	negative	negative	negative	NA	NA
		6835	18h	negative	negative	negative	negative	NA	NA

Table LSS A1.4 Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (fresh and frozen)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	positive	positive	positive	PA	PA
		3734	18+72h	positive	positive	positive	positive	PA	PA
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	positive	positive	positive	positive	PA	PA
		3979	18+72h	positive	positive	positive	positive	PA	PA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	positive	positive	positive	PA	PA
		4302	18+72h	positive	positive	positive	positive	PA	PA
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	positive	positive	positive	positive	PA	PA
		5797	18+72h	positive	positive	positive	positive	PA	PA
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	positive	positive	positive	positive	PA	PA
		6607	18+72h	positive	positive	positive	positive	PA	PA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6611	18+72h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	positive	positive	positive	PA	PA
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	positive	positive	positive	positive	PA	PA
		6714	18+72h	positive	positive	positive	positive	PA	PA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6716	18+72h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	positive	positive	positive	PD	PD
		6717	18+72h	negative	positive	positive	positive	PD	PD
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA

Table LSS A1.4 (continued 1) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	3740	18+72h	negative	positive	positive	positive	PD	PD
		3741	18h	negative	positive	positive	positive	PD	PD
		3741	18+72h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4299	18h	positive	negative	negative	negative	ND	ND
		4299	18+72h	positive	negative	negative	negative	ND	ND
		4301	18h	positive	positive	positive	positive	PA	PA
		4301	18+72h	positive	positive	positive	positive	PA	PA
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	negative	negative	NA	NA
		4682	18+72h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5798	18h	positive	positive	positive	positive	PA	PA
		5798	18+72h	positive	positive	positive	positive	PA	PA
		6609	18h	negative	negative	negative	negative	NA	NA
		6612	18h	negative	negative	negative	negative	NA	NA
		6612	18+72h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6718	18h	positive	positive	positive	positive	PA	PA
		6718	18+72h	positive	positive	positive	positive	PA	PA
		6719	18h	negative	positive	positive	positive	PD	PD
		6719	18+72h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	positive	positive	positive	PD	PD
		6720	18+72h	negative	negative	negative	negative	NA	NA
		6721	18h	positive	positive	positive	positive	PA	PA
		6721	18+72h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6722	18+72h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	RTE	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18h	positive	negative	negative	negative	ND	ND
		4203	18+72h	positive	negative	negative	negative	ND	ND
		4204	18h	positive	positive	positive	positive	PA	PA
		4204	18+72h	positive	positive	positive	positive	PA	PA
		4206	18h	positive	positive	positive	positive	PA	PA

Table LSS A1.4 (continued 2) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX										
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)	
Vegetables	RTE	4206	18+72h	positive	positive	positive	positive	PA	PA	
		4208	18h	negative	negative	negative	negative	NA	NA	
		4208	18+72h	negative	negative	negative	negative	NA	NA	
		4303	18h	negative	negative	negative	negative	NA	NA	
		4740	18+72h	positive	negative	negative	negative	ND	ND	
		4741	18h	positive	positive	positive	positive	PA	PA	
		4741	18+72h	positive	positive	positive	positive	PA	PA	
		4742	18h	positive	positive	positive	positive	PA	PA	
		4742	18+72h	positive	positive	positive	positive	PA	PA	
		4743	18h	positive	positive	positive	positive	PA	PA	
		4743	18+72h	positive	positive	positive	positive	PA	PA	
		4744	18h	positive	positive	positive	positive	PA	PA	
		4744	18+72h	positive	positive	positive	positive	PA	PA	
		4745	18h	positive	positive	positive	positive	PA	PA	
		4745	18+72h	positive	positive	positive	positive	PA	PA	
		6822	18h	negative	negative	negative	negative	NA	NA	
		6823	18h	negative	negative	negative	negative	NA	NA	
		6824	18h	negative	negative	negative	negative	NA	NA	
		6825	18h	negative	negative	negative	negative	NA	NA	
		7042	18h	negative	negative	negative	negative	NA	NA	
		7043	18h	negative	negative	negative	negative	NA	NA	
		7044	18h	negative	negative	negative	negative	NA	NA	
		7045	18h	negative	negative	negative	negative	NA	NA	

Table LSS A1.5 Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	positive	negative	negative	negative	ND	ND
		3729	18+72h	positive	negative	negative	negative	ND	ND
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	positive	positive	positive	PD	PD
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5802	18h	negative	negative	negative	negative	NA	NA
		5802	18+72h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		6729	18h	positive	positive	positive	positive	PA	PA
		6729	18+72h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		3999	18+72h	negative	negative	negative	negative	NA	NA
		4000	18h	positive	positive	positive	positive	PA	PA
		4000	18+72h	positive	positive	positive	positive	PA	PA
		4001	18h	positive	positive	positive	positive	PA	PA

Table LSS A1.5 (continued 1) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	positive	positive	positive	positive	PA	PA
		4002	18+72h	positive	positive	positive	positive	PA	PA
		4670	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	positive	positive	positive	PA	PA
		4965	18h	positive	positive	positive	positive	PA	PA
		4965	18+72h	positive	positive	positive	positive	PA	PA
		4966	18h	positive	negative	negative	negative	ND	ND
		4966	18+72h	positive	negative	negative	negative	ND	ND
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6727	18h	positive	positive	positive	positive	PA	PA
		6727	18+72h	positive	positive	positive	positive	PA	PA
		6731	18h	positive	positive	positive	positive	PA	PA
		6731	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
		7047	18h	negative	negative	negative	negative	NA	NA
	RTE, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3731	18+72h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	positive	positive	positive	PD	PD
		4292	18+72h	negative	positive	positive	positive	PD	PD
		4295	18h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA
		4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD

Table LSS A1.5 (continued 2) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX										
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)	
Seafood and fishery products	RTE, Ready to reheat	4315	18+72h	negative	positive	positive	positive	PD	PD	
		4316	18h	positive	positive	positive	positive	PA	PA	
		4316	18+72h	positive	positive	positive	positive	PA	PA	
		4317	18h	positive	positive	positive	positive	PA	PA	
		4317	18+72h	positive	positive	positive	positive	PA	PA	
		5792	18h	positive	positive	positive	positive	PA	PA	
		5792	18+72h	positive	positive	positive	positive	PA	PA	
		5800	18h	positive	positive	positive	positive	PA	PA	
		5800	18+72h	positive	positive	positive	positive	PA	PA	
		5803	18h	positive	positive	positive	positive	PA	PA	
		5803	18+72h	positive	positive	positive	positive	PA	PA	
		5804	18h	negative	negative	negative	negative	NA	NA	
		5968	18h	positive	positive	positive	positive	PA	PA	
		5968	18+72h	positive	positive	positive	positive	PA	PA	
		5969	18h	negative	positive	positive	positive	PD	PD	
		5969	18+72h	negative	positive	positive	positive	PD	PD	
		5970	18h	positive	positive	positive	positive	PA	PA	
		5970	18+72h	positive	positive	positive	positive	PA	PA	
		5971	18h	positive	positive	positive	positive	PA	PA	
		5971	18+72h	positive	positive	positive	positive	PA	PA	
		6724	18h	positive	positive	positive	positive	PA	PA	
		6724	18+72h	positive	positive	positive	positive	PA	PA	
		6726	18h	positive	positive	positive	positive	PA	PA	
		6726	18+72h	positive	positive	positive	positive	PA	PA	
		6728	18h	positive	positive	positive	positive	PA	PA	
		6728	18+72h	positive	positive	positive	positive	PA	PA	
		6730	18h	positive	positive	positive	positive	PA	PA	
		6730	18+72h	positive	positive	positive	positive	PA	PA	
		6732	18h	positive	positive	positive	positive	PA	PA	
		6732	18+72h	positive	positive	positive	positive	PA	PA	
		6831	18h	negative	negative	negative	negative	NA	NA	
		6832	18h	negative	negative	negative	negative	NA	NA	

Table LSS A1.6 Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3352	18+72h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	positive	positive	positive	PD	PD
		3353	18+72h	negative	positive	positive	positive	PD	PD
		4320	18h	positive	positive	positive	positive	PA	PA
		4320	18+72h	positive	positive	positive	positive	PA	PA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	positive	positive	positive	positive	PA	PA
		4322	18+72h	positive	positive	positive	positive	PA	PA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	positive	positive	positive	positive	PA	PA
		4324	18+72h	positive	positive	positive	positive	PA	PA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	positive	positive	positive	PD	PD
		4326	18+72h	negative	positive	positive	positive	PD	PD
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5438	18+72h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	positive	positive	positive	positive	PA	PA
		5447	18+72h	positive	positive	positive	positive	PA	PA
		6762	18h	negative	positive	positive	positive	PD	PD
		6762	18+72h	negative	positive	positive	positive	PD	PD
		7027	18h	negative	negative	negative	negative	NA	NA
		7028	18h	negative	negative	negative	negative	NA	NA
		7029	18h	negative	negative	negative	negative	NA	NA
Environmental samples	Cleaning and Process Waters	3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3356	18h	positive	positive	positive	positive	PA	PA
		3356	18+72h	positive	positive	positive	positive	PA	PA
		4686	18h	negative	negative	negative	negative	NA	NA
		4686	18+72h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	negative	negative	NA	NA
		5434	18+72h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	positive	positive	positive	PD	PD
		6685	18+72h	negative	positive	positive	positive	PD	PD
		6765	18h	positive	positive	positive	positive	PA	PA

Table LSS A1.6 (continued) Sensitivity data BACGene Listeria spp (Listeria spp target) AriaMX									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Cleaning and Process Waters	Environmental samples	6765	18+72h	positive	positive	positive	positive	PA	PA
		6767	18h	positive	positive	positive	positive	PA	PA
		6767	18+72h	positive	positive	positive	positive	PA	PA
		6769	18h	positive	positive	positive	positive	PA	PA
		6769	18+72h	positive	positive	positive	positive	PA	PA
		6771	18h	positive	negative	negative	negative	ND	ND
		6773	18h	negative	positive	positive	positive	PD	PD
		6773	18+72h	negative	positive	positive	positive	PD	PD
		6777	18h	positive	positive	positive	positive	PA	PA
		6777	18+72h	positive	positive	positive	positive	PA	PA
		7025	18h	negative	negative	negative	negative	NA	NA
		7026	18h	negative	negative	negative	negative	NA	NA
Environmental samples	Surface samples	3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	positive	negative	negative	negative	ND	ND
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	positive	positive	positive	positive	PA	PA
		3360	18+72h	positive	positive	positive	positive	PA	PA
		3361	18h	positive	negative	negative	negative	ND	ND
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	positive	negative	negative	negative	ND	ND
		5442	18+72h	positive	negative	negative	negative	ND	ND
		5443	18h	positive	positive	positive	positive	PA	PA
		5443	18+72h	positive	positive	positive	positive	PA	PA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	positive	negative	negative	negative	ND	ND
		5445	18+72h	positive	negative	negative	negative	ND	ND
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	positive	positive	positive	positive	PA	PA
		5448	18+72h	positive	positive	positive	positive	PA	PA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6687	18h	negative	negative	negative	negative	NA	NA
		7030	18h	negative	negative	negative	negative	NA	NA
		7031	18h	negative	negative	negative	negative	NA	NA

Table LSS C1.1 Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3989	18h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4120	18h	negative	negative	negative	negative	NA	NA
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4288	18h	positive	negative	negative	negative	ND	ND
		4288	18+72h	positive	negative	negative	negative	ND	ND
		4293	18h	positive	negative	negative	negative	ND	ND
		4293	18+72h	positive	negative	negative	negative	ND	ND
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5023	18+72h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5030	18h	positive	positive	positive	positive	PA	PA
		5030	18+72h	positive	positive	positive	positive	PA	PA
		5231	18h	positive	positive	positive	positive	PA	PA
		5231	18+72h	positive	positive	positive	positive	PA	PA
		5232	18h	positive	positive	positive	positive	PA	PA
		5232	18+72h	positive	positive	positive	positive	PA	PA
Ready-to-reheat	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3015	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	positive	positive	PPNA	PPNA
		4115	18+72h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	positive	positive	PA	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4127	18h	negative	negative	positive	positive	PPNA	PPNA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	positive	positive	positive	positive	PA	PA
		4294	18+72h	positive	positive	positive	positive	PA	PA
		4754	18h	positive	positive	positive	positive	PA	PA
		4754	18+72h	positive	positive	positive	positive	PA	PA
		4755	18h	positive	positive	positive	positive	PA	PA

Table LSS C1.1 (continued) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4758	18h	positive	positive	positive	positive	PA	PA
		4758	18+72h	positive	positive	positive	positive	PA	PA
		5033	18h	negative	positive	positive	positive	PD	PD
		5033	18+72h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5036	18h	negative	negative	negative	negative	NA	NA
	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	positive	positive	positive	positive	PA	PA
		4188	18+72h	positive	positive	positive	positive	PA	PA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	positive	positive	positive	positive	PA	PA
		4190	18+72h	positive	positive	positive	positive	PA	PA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4192	18h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	positive	positive	positive	positive	PA	PA
		4747	18+72h	positive	positive	positive	positive	PA	PA
		4748	18h	negative	positive	positive	positive	PD	PD
		4748	18+72h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA

Table LSS C1.2 Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw products (frozen or fresh)	3007	18h	negative	positive	positive	positive	PD	PD
		3007	18+72h	negative	positive	positive	positive	PD	PD
		3009	18h	positive	positive	positive	positive	PA	PA
		3009	18+72h	positive	positive	positive	positive	PA	PA
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	positive	positive	positive	PD	PD
		3011	18+72h	negative	positive	positive	positive	PD	PD
		3722	18h	positive	negative	negative	negative	ND	ND
		3722	18+72h	positive	negative	negative	negative	ND	ND
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	positive	positive	positive	PD	PD
		3735	18+72h	negative	positive	positive	positive	PD	PD
		3736	18h	positive	positive	positive	positive	PA	PA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18+72h	positive	negative	negative	negative	ND	ND
		4109	18h	positive	negative	negative	negative	ND	ND
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	positive	positive	positive	PA	PA
		4118	18+72h	positive	positive	positive	positive	PA	PA
		4128	18h	positive	positive	positive	positive	PA	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
		6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		6843	18h	negative	negative	negative	negative	NA	NA
		6844	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
	Meat based products ready to reheat	3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	positive	positive	positive	positive	PA	PA
		3994	18+72h	positive	positive	positive	positive	PA	PA
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	positive	positive	positive	positive	PA	PA
		4196	18+72h	positive	positive	positive	positive	PA	PA
		4197	18h	negative	positive	positive	positive	PD	PD
		4197	18+72h	negative	positive	positive	positive	PD	PD
		4198	18h	negative	positive	positive	positive	PD	PD
		4198	18+72h	negative	positive	positive	positive	PD	PD
		4199	18h	positive	positive	positive	positive	PA	PA
		4199	18+72h	positive	positive	positive	positive	PA	PA
		4200	18h	positive	negative	negative	negative	ND	ND

Table LSS C1.2 (continued) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Meat based products ready to reheat	4200	18+72h	positive	negative	negative	negative	ND	ND
		4201	18h	positive	positive	positive	positive	PA	PA
		4201	18+72h	positive	positive	positive	positive	PA	PA
		7032	18h	negative	negative	negative	negative	NA	NA
		7033	18h	negative	negative	negative	negative	NA	NA
		7034	18h	negative	negative	negative	negative	NA	NA
		7035	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
		7037	18h	negative	negative	negative	negative	NA	NA
		7038	18h	negative	negative	negative	negative	NA	NA
		7039	18h	negative	negative	negative	negative	NA	NA
		7040	18h	negative	negative	negative	negative	NA	NA
	Raw and cooked delicatessen	7041	18h	negative	negative	negative	negative	NA	NA
		3008	18h	negative	positive	positive	positive	PD	PD
		3008	18+72h	negative	positive	positive	positive	PD	PD
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	positive	positive	positive	positive	PA	PA
		3727	18+72h	positive	positive	positive	positive	PA	PA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4544	18+72h	positive	negative	positive	positive	PPND	PPND
		4545	18h	negative	positive	positive	positive	PD	PD
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18+72h	positive	negative	negative	negative	ND	ND
		4684	18h	positive	negative	negative	negative	ND	ND
		7048	18h	negative	negative	negative	negative	NA	NA
		7049	18h	negative	negative	negative	negative	NA	NA
		7050	18h	negative	negative	negative	negative	NA	NA
		7051	18h	negative	negative	negative	negative	NA	NA
		7052	18h	negative	negative	negative	negative	NA	NA
		7053	18h	negative	negative	negative	negative	NA	NA
		7054	18h	negative	negative	negative	negative	NA	NA
		7055	18h	negative	negative	negative	negative	NA	NA

Table LSS C1.3 Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3340	18+72h	negative	positive	positive	positive	PD	PD
		3342	18+72h	positive	negative	negative	negative	ND	ND
		3342	18h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	positive	positive	positive	PD	PD
		3990	18+72h	negative	positive	positive	positive	PD	PD
		3991	18h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4527	18h	positive	positive	positive	positive	PA	PA
		4527	18+72h	positive	positive	positive	positive	PA	PA
		4528	18h	positive	positive	positive	positive	PA	PA
		4528	18+72h	positive	positive	positive	positive	PA	PA
		4529	18h	negative	positive	positive	positive	PD	PD
		4529	18+72h	negative	positive	positive	positive	PD	PD
		4530	18h	positive	positive	positive	positive	PA	PA
		4530	18+72h	positive	positive	positive	positive	PA	PA
		4531	18h	negative	negative	negative	negative	NA	NA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	positive	positive	positive	positive	PA	PA
		5952	18+72h	positive	positive	positive	positive	PA	PA
Other products based on raw milk	Other products based on raw milk	3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	positive	positive	positive	positive	PA	PA
		4532	18+72h	positive	positive	positive	positive	PA	PA
		4533	18h	positive	positive	positive	positive	PA	PA
		4533	18+72h	positive	positive	positive	positive	PA	PA
		4534	18h	positive	positive	positive	positive	PA	PA
		4534	18+72h	positive	positive	positive	positive	PA	PA
		4535	18h	positive	positive	positive	positive	PA	PA
		4535	18+72h	positive	negative	negative	negative	ND	ND
		4536	18h	positive	positive	positive	positive	PA	PA
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND

Table LSS C1.3 (continued) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Other products based on raw milk	4537	18+72h	positive	negative	positive	positive	PPND	PPND
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		5954	18h	negative	negative	negative	negative	NA	NA
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	positive	NA	PPNA
		6839	18h	negative	negative	negative	negative	NA	NA
		3006	18h	negative	positive	positive	positive	PD	PD
		3006	18+72h	negative	positive	positive	positive	PD	PD
	Heat treated products	3349	18h	negative	positive	positive	positive	PD	PD
		3349	18+72h	negative	positive	positive	positive	PD	PD
		4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18h	positive	negative	positive	positive	PPND	PPND
		4309	18+72h	positive	negative	negative	negative	ND	ND
		4310	18h	positive	positive	positive	positive	PA	PA
		4310	18+72h	positive	positive	positive	positive	PA	PA
		4311	18h	positive	positive	positive	positive	PA	PA
		4311	18+72h	positive	positive	positive	positive	PA	PA
		4312	18h	positive	positive	positive	positive	PA	PA
		4312	18+72h	positive	positive	positive	positive	PA	PA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	positive	positive	positive	PD	PD
		4330	18+72h	negative	positive	positive	positive	PD	PD
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		5962	18h	positive	positive	positive	positive	PA	PA
		5962	18+72h	positive	positive	positive	positive	PA	PA
		6671	18h	negative	negative	negative	negative	NA	NA
		6671	18+72h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA
		6833	18h	negative	negative	negative	negative	NA	NA
		6834	18h	negative	negative	negative	negative	NA	NA
		6835	18h	negative	negative	negative	negative	NA	NA

Table LSS C1.4 Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (fresh and frozen)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	positive	positive	positive	PA	PA
		3734	18+72h	positive	positive	positive	positive	PA	PA
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	positive	positive	positive	positive	PA	PA
		3979	18+72h	positive	positive	positive	positive	PA	PA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	positive	positive	positive	PA	PA
		4302	18+72h	positive	positive	positive	positive	PA	PA
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	positive	positive	positive	positive	PA	PA
		5797	18+72h	positive	positive	positive	positive	PA	PA
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	positive	positive	positive	positive	PA	PA
		6607	18+72h	positive	positive	positive	positive	PA	PA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6611	18+72h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	positive	positive	positive	PA	PA
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6714	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	positive	positive	positive	positive	PA	PA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18+72h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	positive	positive	positive	PD	PD
		6717	18+72h	negative	positive	positive	positive	PD	PD
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA
		3740	18h	negative	positive	positive	positive	PD	PD

Table LSS C1.4 (continued 1) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	3740	18+72h	negative	positive	positive	positive	PD	PD
		3741	18h	negative	positive	positive	positive	PD	PD
		3741	18+72h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4299	18h	positive	negative	negative	negative	ND	ND
		4299	18+72h	positive	negative	negative	negative	ND	ND
		4301	18h	positive	positive	positive	positive	PA	PA
		4301	18+72h	positive	positive	positive	positive	PA	PA
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	negative	negative	NA	NA
		4682	18+72h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5794	18h	negative	negative	negative	negative	NA	NA
		5796	18h	negative	negative	positive	positive	PPNA	PPNA
		5796	18+72h	negative	negative	positive	positive	PPNA	PPNA
		5798	18h	positive	positive	positive	positive	PA	PA
		5798	18+72h	positive	positive	positive	positive	PA	PA
		6609	18h	negative	negative	negative	negative	NA	NA
		6612	18h	negative	negative	negative	negative	NA	NA
		6612	18+72h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6718	18h	positive	positive	positive	positive	PA	PA
		6718	18+72h	positive	positive	positive	positive	PA	PA
		6719	18h	negative	positive	positive	positive	PD	PD
		6719	18+72h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	positive	positive	positive	PD	PD
		6720	18+72h	negative	positive	positive	positive	PD	PD
		6721	18h	positive	positive	positive	positive	PA	PA
		6721	18+72h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6722	18+72h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	RTE	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18+72h	positive	negative	negative	negative	ND	ND

Table LSS C1.4 (continued 2) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	RTE	4203	18h	positive	negative	negative	negative	ND	ND
		4204	18h	positive	positive	positive	positive	PA	PA
		4204	18+72h	positive	positive	positive	positive	PA	PA
		4206	18h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4208	18h	negative	negative	negative	negative	NA	NA
		4208	18+72h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA
		4740	18h	positive	negative	negative	negative	ND	ND
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18h	positive	positive	positive	positive	PA	PA
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	positive	positive	positive	PA	PA
		4742	18+72h	positive	positive	positive	positive	PA	PA
		4743	18h	positive	positive	positive	positive	PA	PA
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	positive	positive	positive	PA	PA
		4744	18+72h	positive	positive	positive	positive	PA	PA
		4745	18h	positive	positive	positive	positive	PA	PA
		4745	18+72h	positive	positive	positive	positive	PA	PA
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA
		7042	18h	negative	negative	negative	negative	NA	NA
		7043	18h	negative	negative	negative	negative	NA	NA
		7044	18h	negative	negative	negative	negative	NA	NA
		7045	18h	negative	negative	negative	negative	NA	NA

Table LSS C1.5 Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	positive	negative	negative	negative	ND	ND
		3729	18+72h	positive	negative	negative	negative	ND	ND
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18+72h	positive	negative	positive	positive	PPND	PPND
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4968	18h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	positive	positive	positive	PD	PD
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5802	18h	negative	negative	negative	negative	NA	NA
		5802	18+72h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		6618	18+72h	positive	positive	positive	positive	PA	PA
		6729	18h	positive	positive	positive	positive	PA	PA
		6729	18+72h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3728	18h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		3999	18+72h	negative	negative	negative	negative	NA	NA
		4000	18h	positive	positive	positive	positive	PA	PA

Table LSS C1.5 (continued 1) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	4000	18+72h	positive	positive	positive	positive	PA	PA
		4001	18h	positive	positive	positive	positive	PA	PA
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	positive	positive	positive	positive	PA	PA
		4002	18+72h	positive	positive	positive	positive	PA	PA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	positive	positive	positive	PA	PA
		4965	18h	positive	positive	positive	positive	PA	PA
		4965	18+72h	positive	positive	positive	positive	PA	PA
		4966	18h	positive	negative	positive	positive	PPND	PPND
		4966	18+72h	positive	negative	positive	positive	PPND	PPND
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6727	18h	positive	positive	positive	positive	PA	PA
		6727	18+72h	positive	positive	positive	positive	PA	PA
		6731	18h	positive	positive	positive	positive	PA	PA
		6731	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
		7047	18h	negative	negative	negative	negative	NA	NA
	RTE, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3731	18+72h	negative	negative	positive	positive	PPNA	PPNA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18h	positive	negative	positive	positive	PPND	PPND
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	positive	positive	positive	PD	PD
		4292	18+72h	negative	positive	positive	positive	PD	PD
		4295	18h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA

Table LSS C1.5 (continued 2) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	RTE, Ready to reheat	4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4316	18+72h	positive	positive	positive	positive	PA	PA
		4317	18h	positive	positive	positive	positive	PA	PA
		4317	18+72h	positive	positive	positive	positive	PA	PA
		5792	18h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA
		6724	18h	positive	positive	positive	positive	PA	PA
		6724	18+72h	positive	positive	positive	positive	PA	PA
		6726	18h	positive	positive	positive	positive	PA	PA
		6726	18+72h	positive	positive	positive	positive	PA	PA
		6728	18h	positive	positive	positive	positive	PA	PA
		6728	18+72h	positive	positive	positive	positive	PA	PA
		6730	18h	positive	positive	positive	positive	PA	PA
		6730	18+72h	positive	positive	positive	positive	PA	PA
		6732	18h	positive	positive	positive	positive	PA	PA
		6732	18+72h	positive	positive	positive	positive	PA	PA
		6831	18h	negative	negative	negative	negative	NA	NA
		6832	18h	negative	negative	negative	negative	NA	NA

Table LSS C1.6 Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3352	18+72h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	positive	positive	positive	PD	PD
		3353	18+72h	negative	positive	positive	positive	PD	PD
		4320	18h	positive	positive	positive	positive	PA	PA
		4320	18+72h	positive	positive	positive	positive	PA	PA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	positive	positive	positive	positive	PA	PA
		4322	18+72h	positive	positive	positive	positive	PA	PA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	positive	positive	positive	positive	PA	PA
		4324	18+72h	positive	positive	positive	positive	PA	PA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	positive	positive	positive	PD	PD
		4326	18+72h	negative	positive	positive	positive	PD	PD
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5438	18+72h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	positive	positive	positive	positive	PA	PA
		5447	18+72h	positive	positive	positive	positive	PA	PA
		6762	18h	negative	positive	positive	positive	PD	PD
		6762	18+72h	negative	positive	positive	positive	PD	PD
		7027	18h	negative	negative	negative	negative	NA	NA
		7028	18h	negative	negative	negative	negative	NA	NA
		7029	18h	negative	negative	negative	negative	NA	NA
Cleaning and Process Waters	Cleaning and Process Waters	3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3356	18h	positive	positive	positive	positive	PA	PA
		4686	18h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	positive	positive	PPNA	PPNA
		5434	18+72h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	negative	negative	NA	NA
		6682	18+72h	negative	negative	positive	positive	PPNA	PPNA
		6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	positive	positive	positive	PD	PD
		6685	18+72h	negative	positive	positive	positive	PD	PD
		6765	18h	positive	positive	positive	positive	PA	PA

Table LSS C1.6 (continued) Sensitivity data BAC Gene *Listeria* spp (*Listeria* spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Cleaning and Process Waters		6765	18+72h	positive	positive	positive	positive	PA	PA
		6767	18h	positive	positive	positive	positive	PA	PA
		6767	18+72h	positive	positive	positive	positive	PA	PA
		6769	18h	positive	positive	positive	positive	PA	PA
		6769	18+72h	positive	positive	positive	positive	PA	PA
		6771	18h	positive	negative	negative	negative	ND	ND
		6773	18h	negative	positive	positive	positive	PD	PD
		6773	18+72h	negative	positive	positive	positive	PD	PD
		6777	18h	positive	positive	positive	positive	PA	PA
		6777	18+72h	positive	positive	positive	positive	PA	PA
		7025	18h	negative	negative	negative	negative	NA	NA
		7026	18h	negative	negative	negative	negative	NA	NA
		3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
Environmental Samples	Surface samples	3358	18h	positive	negative	negative	negative	ND	ND
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	positive	positive	positive	positive	PA	PA
		3360	18+72h	positive	positive	positive	positive	PA	PA
		3361	18h	positive	negative	negative	negative	ND	ND
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18+72h	positive	negative	negative	negative	ND	ND
		5442	18h	positive	negative	negative	negative	ND	ND
		5443	18h	positive	positive	positive	positive	PA	PA
		5443	18+72h	positive	positive	positive	positive	PA	PA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	positive	negative	negative	negative	ND	ND
		5445	18+72h	positive	negative	negative	negative	ND	ND
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	positive	positive	positive	positive	PA	PA
		5448	18+72h	positive	positive	positive	positive	PA	PA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6687	18h	negative	negative	negative	negative	NA	NA
		7030	18h	negative	negative	negative	negative	NA	NA
		7031	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.1 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4125	18h	negative	negative	negative	negative	NA	NA
		4125	18+72h	negative	negative	negative	negative	NA	NA
		4288	18h	positive	negative	negative	negative	ND	ND
		4288	18+72h	positive	negative	negative	negative	ND	ND
		4293	18h	positive	negative	negative	negative	ND	ND
		4293	18+72h	positive	negative	negative	negative	ND	ND
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
	Ready-to-reheat	5030	18h	positive	positive	positive	positive	PA	PA
		5231	18+72h	positive	positive	positive	positive	PA	PA
		5232	18+72h	positive	positive	positive	positive	PA	PA
		3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3015	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	positive	positive	PA	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4127	18+72h	negative	negative	positive	positive	PPNA	PPNA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	positive	positive	positive	positive	PA	PA
		4294	18+72h	positive	positive	positive	positive	PA	PA
		4754	18h	positive	positive	positive	positive	PA	PA
		4754	18+72h	positive	positive	positive	positive	PA	PA
		4755	18h	positive	positive	positive	positive	PA	PA
		4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4758	18h	positive	positive	positive	positive	PA	PA
		4758	18+72h	positive	positive	positive	positive	PA	PA

Table LSM A2.1 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	5033	18h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5036	18h	negative	negative	negative	negative	NA	NA
	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	positive	positive	positive	positive	PA	PA
		4188	18+72h	positive	positive	positive	positive	PA	PA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	positive	positive	positive	positive	PA	PA
		4190	18+72h	positive	positive	positive	positive	PA	PA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	positive	positive	positive	positive	PA	PA
		4747	18+72h	positive	positive	positive	positive	PA	PA
		4748	18h	negative	positive	positive	positive	PD	PD
		4748	18+72h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.2 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw products (frozen or fresh)	3007	18h	negative	positive	positive	positive	PD	PD
		3007	18+72h	negative	positive	positive	positive	PD	PD
		3009	18h	positive	positive	positive	positive	PA	PA
		3009	18+72h	positive	positive	positive	positive	PA	PA
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	positive	positive	positive	PD	PD
		3011	18+72h	negative	positive	positive	positive	PD	PD
		3722	18h	positive	negative	negative	negative	ND	ND
		3722	18+72h	positive	negative	negative	negative	ND	ND
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	positive	positive	positive	PD	PD
		3735	18+72h	negative	positive	positive	positive	PD	PD
		3736	18h	positive	positive	positive	positive	PA	PA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18h	positive	negative	negative	negative	ND	ND
		4109	18+72h	positive	negative	negative	negative	ND	ND
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	positive	positive	positive	PA	PA
		4118	18+72h	positive	positive	positive	positive	PA	PA
		4128	18h	positive	positive	positive	positive	PA	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
		6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		6843	18h	negative	negative	negative	negative	NA	NA
		6844	18h	negative	negative	negative	negative	NA	NA
		6845	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
	Meat based products ready to reheat	3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	positive	positive	positive	positive	PA	PA
		3994	18+72h	positive	positive	positive	positive	PA	PA
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	positive	positive	positive	positive	PA	PA
		4196	18+72h	positive	positive	positive	positive	PA	PA
		4197	18h	negative	positive	positive	positive	PD	PD
		4197	18+72h	negative	positive	positive	positive	PD	PD
		4198	18h	negative	positive	positive	positive	PD	PD
		4198	18+72h	negative	positive	positive	positive	PD	PD
		4199	18h	positive	positive	positive	positive	PA	PA
		4199	18+72h	positive	positive	positive	positive	PA	PA

Table LSM A2.2 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat based products ready to reheat	Meat based products ready to reheat	4200	18h	positive	negative	negative	negative	ND	ND
		4200	18+72h	positive	negative	positive	negative	PPND	ND
		4201	18h	positive	positive	positive	positive	PA	PA
		4201	18+72h	positive	positive	positive	positive	PA	PA
		7033	18h	negative	negative	negative	negative	NA	NA
		7035	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
		7037	18h	negative	negative	negative	negative	NA	NA
		7038	18h	negative	negative	negative	negative	NA	NA
		7039	18h	negative	negative	negative	negative	NA	NA
Meat Products	Raw and cooked delicatessen	7040	18h	negative	negative	negative	negative	NA	NA
		7041	18h	negative	negative	negative	negative	NA	NA
		3008	18h	negative	positive	positive	positive	PD	PD
		3008	18+72h	negative	positive	positive	positive	PD	PD
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	positive	positive	positive	positive	PA	PA
		3727	18+72h	positive	positive	positive	positive	PA	PA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4545	18h	negative	positive	positive	positive	PD	PD
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18+72h	positive	negative	negative	negative	ND	ND
		7048	18h	negative	negative	negative	negative	NA	NA
		7049	18h	negative	negative	negative	negative	NA	NA
		7050	18h	negative	negative	negative	negative	NA	NA
		7051	18h	negative	negative	negative	negative	NA	NA
		7052	18h	negative	negative	negative	negative	NA	NA
		7053	18h	negative	negative	negative	negative	NA	NA
		7054	18h	negative	negative	negative	negative	NA	NA
		7055	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.3 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3340	18+72h	negative	positive	positive	positive	PD	PD
		3342	18h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	positive	positive	positive	PD	PD
		3990	18+72h	negative	positive	positive	positive	PD	PD
		3991	18h	negative	negative	negative	negative	NA	NA
		3991	18+72h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4526	18+72h	positive	negative	negative	negative	ND	ND
		4527	18h	positive	positive	positive	positive	PA	PA
		4527	18+72h	positive	positive	positive	positive	PA	PA
		4528	18h	positive	positive	positive	positive	PA	PA
		4528	18+72h	positive	positive	positive	positive	PA	PA
		4529	18h	negative	positive	positive	positive	PD	PD
		4529	18+72h	negative	positive	positive	positive	PD	PD
		4530	18h	positive	positive	positive	positive	PA	PA
		4530	18+72h	positive	positive	positive	positive	PA	PA
		4531	18h	negative	negative	negative	negative	NA	NA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	positive	positive	positive	positive	PA	PA
		5952	18+72h	positive	positive	positive	positive	PA	PA
Other products based on raw milk	Other products based on raw milk	3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	positive	positive	positive	positive	PA	PA
		4532	18+72h	positive	positive	positive	positive	PA	PA
		4533	18h	positive	positive	positive	positive	PA	PA
		4533	18+72h	positive	positive	positive	positive	PA	PA
		4534	18h	positive	positive	positive	positive	PA	PA
		4534	18+72h	positive	positive	positive	positive	PA	PA
		4535	18h	positive	positive	positive	positive	PA	PA
		4535	18+72h	positive	negative	negative	negative	ND	ND
		4536	18h	positive	positive	positive	positive	PA	PA

Table LSM A2.3 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Other products based on raw milk	4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND
		4537	18+72h	positive	negative	negative	negative	ND	ND
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18h	negative	negative	positive	positive	PPNA	PPNA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
		3006	18h	negative	positive	positive	positive	PD	PD
		3006	18+72h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	positive	positive	positive	PD	PD
	Heat treated products	4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18+72h	positive	negative	negative	negative	ND	ND
		4310	18h	positive	positive	positive	positive	PA	PA
		4310	18+72h	positive	positive	positive	positive	PA	PA
		4311	18h	positive	positive	positive	positive	PA	PA
		4311	18+72h	positive	positive	positive	positive	PA	PA
		4312	18h	positive	positive	positive	positive	PA	PA
		4312	18+72h	positive	positive	positive	positive	PA	PA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	positive	negative	negative	NA	NA
		4330	18+72h	negative	positive	positive	positive	PD	PD
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		5962	18h	positive	positive	positive	positive	PA	PA
		5962	18+72h	positive	positive	positive	positive	PA	PA
		6671	18h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA
		6833	18h	negative	negative	negative	negative	NA	NA
		6834	18h	negative	negative	negative	negative	NA	NA
		6835	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.4 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (fresh and frozen)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	positive	positive	positive	PA	PA
		3734	18+72h	positive	positive	positive	positive	PA	PA
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	positive	positive	positive	positive	PA	PA
		3979	18+72h	positive	positive	positive	positive	PA	PA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	positive	positive	positive	PA	PA
		4302	18+72h	positive	positive	positive	positive	PA	PA
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	positive	positive	positive	positive	PA	PA
		5797	18+72h	positive	positive	positive	positive	PA	PA
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	positive	positive	positive	positive	PA	PA
		6607	18+72h	positive	positive	positive	positive	PA	PA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6611	18+72h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	positive	positive	positive	PA	PA
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	positive	positive	positive	positive	PA	PA
		6714	18+72h	positive	positive	positive	positive	PA	PA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6716	18+72h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	positive	positive	positive	PD	PD
		6717	18+72h	negative	positive	positive	positive	PD	PD
Pre-cooked vegetables, vegetables under modified atmosphere	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.4 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	3740	18h	negative	positive	positive	positive	PD	PD
		3740	18+72h	negative	positive	negative	negative	NA	NA
		3741	18h	negative	positive	positive	positive	PD	PD
		3741	18+72h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4301	18h	positive	positive	positive	positive	PA	PA
		4301	18+72h	positive	positive	positive	positive	PA	PA
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	positive	positive	PPNA	PPNA
		4682	18+72h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5794	18h	negative	negative	negative	negative	NA	NA
		5798	18h	positive	positive	positive	positive	PA	PA
		5798	18+72h	positive	positive	positive	positive	PA	PA
		6609	18h	negative	negative	negative	negative	NA	NA
		6612	18h	negative	negative	negative	negative	NA	NA
		6612	18+72h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6615	18+72h	negative	positive	positive	positive	PD	PD
		6718	18h	positive	positive	positive	positive	PA	PA
		6718	18+72h	positive	positive	positive	positive	PA	PA
		6719	18h	negative	positive	positive	positive	PD	PD
		6719	18+72h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	positive	positive	positive	PD	PD
		6720	18+72h	negative	positive	negative	negative	NA	NA
		6721	18h	positive	positive	positive	positive	PA	PA
		6721	18+72h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6722	18+72h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	RTE	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18h	positive	negative	negative	negative	ND	ND
		4203	18+72h	positive	negative	negative	negative	ND	ND
		4204	18h	positive	positive	positive	positive	PA	PA

Table LSM A2.4 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	RTE	4204	18+72h	positive	positive	positive	positive	PA	PA
		4206	18h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4208	18h	negative	negative	negative	negative	NA	NA
		4208	18+72h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA
		4740	18h	positive	negative	negative	negative	ND	ND
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18h	positive	positive	positive	positive	PA	PA
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	positive	positive	positive	PA	PA
		4742	18+72h	positive	positive	positive	positive	PA	PA
		4743	18h	positive	positive	positive	positive	PA	PA
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	positive	positive	positive	PA	PA
		4744	18+72h	positive	positive	positive	positive	PA	PA
		4745	18h	positive	positive	positive	positive	PA	PA
		4745	18+72h	positive	positive	positive	positive	PA	PA
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA
		7042	18h	negative	negative	negative	negative	NA	NA
		7043	18h	negative	negative	negative	negative	NA	NA
		7044	18h	negative	negative	negative	negative	NA	NA
		7045	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.5 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	positive	negative	negative	negative	ND	ND
		3729	18+72h	positive	negative	negative	negative	ND	ND
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		3984	18+72h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18+72h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	positive	positive	positive	PD	PD
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5802	18+72h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		6618	18+72h	positive	positive	positive	positive	PA	PA
		6729	18h	positive	positive	positive	positive	PA	PA
		6729	18+72h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		4000	18h	positive	positive	positive	positive	PA	PA

Table LSM A2.5 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	positive	negative	negative	negative	ND	ND
		3729	18+72h	positive	negative	negative	negative	ND	ND
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		3984	18+72h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18+72h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	positive	positive	positive	PD	PD
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5802	18+72h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		6618	18+72h	positive	positive	positive	positive	PA	PA
		6729	18h	positive	positive	positive	positive	PA	PA
		6729	18+72h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		4000	18h	positive	positive	positive	positive	PA	PA

Table LSM A2.5 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	4000	18+72h	positive	positive	positive	positive	PA	PA
		4001	18h	positive	positive	positive	positive	PA	PA
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	positive	positive	positive	positive	PA	PA
		4002	18+72h	positive	positive	positive	positive	PA	PA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18h	positive	negative	negative	negative	ND	ND
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	positive	positive	positive	PA	PA
		4965	18h	positive	positive	positive	positive	PA	PA
		4965	18+72h	positive	positive	positive	positive	PA	PA
		4966	18h	positive	negative	negative	negative	ND	ND
		4966	18+72h	positive	negative	negative	negative	ND	ND
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6727	18h	positive	positive	positive	positive	PA	PA
		6727	18+72h	positive	positive	positive	positive	PA	PA
		6731	18h	positive	positive	positive	positive	PA	PA
		6731	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
		7047	18h	negative	negative	negative	negative	NA	NA
RTE, Ready to reheat	RTE, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	positive	positive	positive	PD	PD
		4292	18+72h	negative	positive	positive	positive	PD	PD
		4295	18h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA

Table LSM A2.5 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	RTE, Ready to reheat	4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD
		4315	18+72h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4316	18+72h	positive	positive	positive	positive	PA	PA
		4317	18h	positive	positive	positive	positive	PA	PA
		4317	18+72h	positive	positive	positive	positive	PA	PA
		5792	18h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5969	18+72h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA
		6724	18h	positive	positive	positive	positive	PA	PA
		6724	18+72h	positive	positive	positive	positive	PA	PA
		6726	18h	positive	positive	positive	positive	PA	PA
		6726	18+72h	positive	positive	positive	positive	PA	PA
		6728	18h	positive	positive	positive	positive	PA	PA
		6728	18+72h	positive	positive	positive	positive	PA	PA
		6730	18h	positive	positive	positive	positive	PA	PA
		6730	18+72h	positive	positive	positive	positive	PA	PA
		6732	18h	positive	positive	positive	positive	PA	PA
		6732	18+72h	positive	positive	positive	positive	PA	PA
		6831	18h	negative	negative	negative	negative	NA	NA
		6832	18h	negative	negative	negative	negative	NA	NA

Table LSM A2.6 Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3352	18+72h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	positive	positive	positive	PD	PD
		3353	18+72h	negative	positive	positive	positive	PD	PD
		4320	18h	positive	positive	positive	positive	PA	PA
		4320	18+72h	positive	positive	positive	positive	PA	PA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	positive	positive	positive	positive	PA	PA
		4322	18+72h	positive	positive	positive	positive	PA	PA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	positive	positive	positive	positive	PA	PA
		4324	18+72h	positive	positive	positive	positive	PA	PA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	positive	positive	positive	PD	PD
		4326	18+72h	negative	positive	positive	positive	PD	PD
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5438	18+72h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	positive	positive	positive	positive	PA	PA
		5447	18+72h	positive	positive	positive	positive	PA	PA
Environmental Samples	Cleaning and Process Waters	6762	18h	negative	positive	positive	positive	PD	PD
		7027	18h	negative	negative	negative	negative	NA	NA
		7028	18h	negative	negative	positive	positive	PPNA	PPNA
		7029	18h	negative	negative	negative	negative	NA	NA
		3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3356	18h	positive	positive	positive	positive	PA	PA
		3356	18+72h	positive	positive	positive	positive	PA	PA
		4686	18h	negative	negative	negative	negative	NA	NA
		4686	18+72h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	negative	negative	NA	NA
		5434	18+72h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	positive	positive	PPNA	PPNA
		6682	18+72h	negative	negative	negative	negative	NA	NA
		6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	positive	positive	positive	PD	PD
		6685	18+72h	negative	positive	positive	positive	PD	PD

Table LSM A2.6 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Cleaning and Process Waters	6765	18h	positive	positive	positive	positive	PA	PA
		6765	18+72h	positive	positive	positive	positive	PA	PA
		6767	18h	positive	positive	positive	positive	PA	PA
		6767	18+72h	positive	positive	positive	positive	PA	PA
		6769	18h	positive	positive	positive	positive	PA	PA
		6769	18+72h	positive	positive	positive	positive	PA	PA
		6771	18h	positive	negative	negative	negative	ND	ND
		6773	18h	negative	positive	positive	positive	PD	PD
		6773	18+72h	negative	positive	positive	positive	PD	PD
		6777	18h	positive	positive	positive	positive	PA	PA
		6777	18+72h	positive	positive	positive	positive	PA	PA
	Surface samples	7025	18h	negative	negative	negative	negative	NA	NA
		7026	18h	negative	negative	negative	negative	NA	NA
		3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	positive	negative	negative	negative	ND	ND
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	positive	positive	positive	positive	PA	PA
		3360	18+72h	positive	positive	positive	positive	PA	PA
		3361	18h	positive	negative	negative	negative	ND	ND
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	positive	negative	negative	negative	ND	ND
		5442	18+72h	positive	negative	negative	negative	ND	ND
		5443	18h	positive	positive	positive	positive	PA	PA
		5443	18+72h	positive	positive	positive	positive	PA	PA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	positive	negative	negative	negative	ND	ND
		5445	18+72h	positive	negative	negative	negative	ND	ND
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	positive	positive	positive	positive	PA	PA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA
		7030	18h	negative	negative	negative	negative	NA	NA
		7031	18h	negative	negative	negative	negative	NA	NA

Table LSM C2.1 Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18h	positive	negative	negative	negative	ND	ND
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4120	18h	negative	negative	negative	negative	NA	NA
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4125	18h	negative	negative	negative	negative	NA	NA
		4125	18+72h	negative	negative	negative	negative	NA	NA
		4288	18h	positive	negative	negative	negative	ND	ND
		4293	18h	positive	negative	negative	negative	ND	ND
		4293	18+72h	positive	negative	negative	negative	ND	ND
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5030	18h	positive	positive	positive	positive	PA	PA
	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	positive	positive	PA	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4127	18h	negative	negative	negative	negative	NA	NA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	positive	positive	positive	positive	PA	PA
		4294	18+72h	positive	positive	positive	positive	PA	PA
		4754	18h	positive	positive	positive	positive	PA	PA
		4754	18+72h	positive	positive	positive	positive	PA	PA
		4755	18h	positive	positive	positive	positive	PA	PA
		4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4758	18h	positive	positive	positive	positive	PA	PA
		4758	18+72h	positive	positive	positive	positive	PA	PA
		5033	18h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5036	18h	negative	negative	negative	negative	NA	NA

Table LSM C2.1 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	positive	positive	positive	positive	PA	PA
		4188	18+72h	positive	positive	positive	positive	PA	PA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	positive	positive	positive	positive	PA	PA
		4190	18+72h	positive	positive	positive	positive	PA	PA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	positive	positive	positive	positive	PA	PA
		4747	18+72h	positive	positive	positive	positive	PA	PA
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA

Table LSM C2.2 Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat products	Raw products (frozen or fresh)	3007	18h	negative	positive	positive	positive	PD	PD
		3009	18h	positive	positive	positive	positive	PA	PA
		3009	18+72h	positive	positive	positive	positive	PA	PA
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	positive	positive	positive	PD	PD
		3011	18+72h	negative	positive	positive	positive	PD	PD
		3722	18h	positive	negative	negative	negative	ND	ND
		3722	18+72h	positive	negative	negative	negative	ND	ND
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	positive	positive	positive	PD	PD
		3735	18+72h	negative	positive	positive	positive	PD	PD
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18h	positive	negative	negative	negative	ND	ND
		4109	18+72h	positive	negative	negative	negative	ND	ND
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	positive	positive	positive	PA	PA
		4118	18+72h	positive	positive	positive	positive	PA	PA
		4128	18h	positive	positive	positive	positive	PA	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
	Meat based products ready to reheat	6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
		3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	positive	positive	positive	positive	PA	PA
		3994	18+72h	positive	positive	positive	positive	PA	PA
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	positive	positive	positive	positive	PA	PA
		4196	18+72h	positive	positive	positive	positive	PA	PA
		4197	18h	negative	positive	positive	positive	PD	PD
		4197	18+72h	negative	positive	positive	positive	PD	PD
		4198	18h	negative	positive	positive	positive	PD	PD
		4198	18+72h	negative	positive	positive	positive	PD	PD
		4199	18h	positive	positive	positive	positive	PA	PA
		4199	18+72h	positive	positive	positive	positive	PA	PA
		4200	18h	positive	negative	negative	negative	ND	ND
		4200	18+72h	positive	negative	negative	negative	ND	ND
		4201	18h	positive	positive	positive	positive	PA	PA
		4201	18+72h	positive	positive	positive	positive	PA	PA
		7032	18h	negative	negative	negative	negative	NA	NA

Table LSM C2.2 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat products	Meat based products ready to reheat	7033	18h	negative	negative	negative	negative	NA	NA
		7034	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
	Raw and cooked delicatessen	3008	18h	negative	positive	positive	positive	PD	PD
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	positive	positive	positive	positive	PA	PA
		3727	18+72h	positive	positive	positive	positive	PA	PA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4544	18+72h	positive	negative	positive	negative	PPND	ND
		4545	18h	negative	positive	positive	positive	PD	PD
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18h	positive	negative	negative	negative	ND	ND
		4684	18+72h	positive	negative	negative	negative	ND	ND

Table LSM C2.3 Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milk & Dairy products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3340	18+72h	negative	positive	positive	positive	PD	PD
		3342	18h	positive	negative	negative	negative	ND	ND
		3342	18+72h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	positive	positive	positive	PD	PD
		3990	18+72h	negative	positive	positive	positive	PD	PD
		3991	18h	negative	negative	positive	positive	PPNA	PPNA
		3991	18+72h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4526	18+72h	positive	negative	negative	negative	ND	ND
		4528	18h	positive	positive	positive	positive	PA	PA
		4528	18+72h	positive	positive	positive	positive	PA	PA
		4529	18h	negative	positive	positive	positive	PD	PD
		4529	18+72h	negative	positive	positive	positive	PD	PD
		4530	18h	positive	positive	positive	positive	PA	PA
		4530	18+72h	positive	positive	positive	positive	PA	PA
		4531	18h	negative	negative	negative	negative	NA	NA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	positive	positive	positive	positive	PA	PA
		5952	18+72h	positive	positive	positive	positive	PA	PA
	Other products based on raw milk	3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	positive	positive	positive	positive	PA	PA
		4532	18+72h	positive	positive	positive	positive	PA	PA
		4533	18h	positive	positive	positive	positive	PA	PA
		4533	18+72h	positive	positive	positive	positive	PA	PA
		4534	18h	positive	positive	positive	positive	PA	PA
		4534	18+72h	positive	positive	positive	positive	PA	PA
		4535	18h	positive	positive	positive	positive	PA	PA

Table LSM C2.3 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milk & Dairy products	Other products based on raw milk	4535	18+72h	positive	negative	negative	negative	ND	ND
		4536	18h	positive	positive	positive	positive	PA	PA
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND
		4537	18+72h	positive	negative	positive	positive	PPND	PPND
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18h	negative	negative	negative	negative	NA	NA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
	Heat treated products	3006	18h	negative	positive	positive	positive	PD	PD
		3006	18+72h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	positive	positive	positive	PD	PD
		3349	18+72h	negative	positive	positive	positive	PD	PD
		4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18h	positive	negative	negative	negative	ND	ND
		4309	18+72h	positive	negative	negative	negative	ND	ND
		4310	18h	positive	positive	positive	positive	PA	PA
		4310	18+72h	positive	positive	positive	positive	PA	PA
		4311	18h	positive	positive	positive	positive	PA	PA
		4311	18+72h	positive	positive	positive	positive	PA	PA
		4312	18h	positive	positive	positive	positive	PA	PA
		4312	18+72h	positive	positive	positive	positive	PA	PA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	positive	positive	positive	PD	PD
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		6671	18h	negative	negative	positive	negative	PPNA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA

Table LSM C2.4 Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (frozen or fresh)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	positive	positive	positive	PA	PA
		3734	18+72h	positive	positive	positive	positive	PA	PA
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	positive	positive	positive	positive	PA	PA
		3979	18+72h	positive	positive	positive	positive	PA	PA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	positive	positive	positive	PA	PA
		4302	18+72h	positive	positive	positive	positive	PA	PA
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	positive	positive	positive	positive	PA	PA
		5797	18+72h	positive	positive	positive	positive	PA	PA
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	positive	positive	positive	positive	PA	PA
		6607	18+72h	positive	positive	positive	positive	PA	PA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	positive	positive	positive	PA	PA
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	positive	positive	positive	positive	PA	PA
		6714	18+72h	positive	positive	positive	positive	PA	PA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	positive	positive	positive	PD	PD
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA
		3740	18h	negative	positive	positive	positive	PD	PD
		3740	18+72h	negative	positive	positive	positive	PD	PD
		3741	18h	negative	positive	positive	positive	PD	PD

Table LSM C2.4 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	3741	18+72h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4299	18h	positive	negative	negative	negative	ND	ND
		4299	18+72h	positive	negative	negative	negative	ND	ND
		4301	18h	positive	positive	positive	positive	PA	PA
		4301	18+72h	positive	positive	positive	positive	PA	PA
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	positive	negative	PPNA	NA
		4682	18+72h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5796	18h	negative	negative	positive	positive	PPNA	PPNA
		5796	18+72h	negative	negative	positive	negative	PPNA	NA
		5798	18h	positive	positive	positive	positive	PA	PA
		5798	18+72h	positive	positive	positive	positive	PA	PA
		6609	18h	negative	negative	negative	negative	NA	NA
		6613	18h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6615	18+72h	negative	positive	positive	positive	PD	PD
		6718	18h	positive	positive	positive	positive	PA	PA
		6719	18h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	positive	positive	positive	PD	PD
		6721	18h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	Ready-to-eat	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18h	positive	negative	negative	negative	ND	ND
		4203	18+72h	positive	negative	negative	negative	ND	ND
		4204	18h	positive	positive	positive	positive	PA	PA
		4204	18+72h	positive	positive	positive	positive	PA	PA
		4206	18h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4208	18h	negative	negative	negative	negative	NA	NA
		4208	18+72h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA

Table LSM C2.4 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Ready-to-eat	4740	18h	positive	negative	negative	negative	ND	ND
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18h	positive	positive	positive	positive	PA	PA
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	positive	positive	positive	PA	PA
		4742	18+72h	positive	positive	positive	positive	PA	PA
		4743	18h	positive	positive	positive	positive	PA	PA
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	positive	positive	positive	PA	PA
		4744	18+72h	positive	positive	positive	positive	PA	PA
		4745	18h	positive	positive	positive	positive	PA	PA
		4745	18+72h	positive	positive	positive	positive	PA	PA
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA

Table LSM C2.5 Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (frozen or fresh)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	positive	negative	negative	negative	ND	ND
		3729	18+72h	positive	negative	negative	negative	ND	ND
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		3984	18+72h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	negative	PD	NA
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4130	18+72h	positive	negative	positive	positive	PPND	PPND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18h	negative	negative	positive	negative	PPNA	NA
		4968	18+72h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	positive	positive	positive	PD	PD
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5802	18h	negative	negative	positive	negative	PPNA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		3999	18+72h	negative	negative	negative	negative	NA	NA
		4000	18h	positive	positive	positive	positive	PA	PA

Table LSM C2.5 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	4000	18+72h	positive	positive	positive	positive	PA	PA
		4001	18h	positive	positive	positive	positive	PA	PA
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	positive	positive	positive	positive	PA	PA
		4002	18+72h	positive	positive	positive	positive	PA	PA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18h	positive	negative	negative	negative	ND	ND
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	positive	positive	positive	PA	PA
		4965	18h	positive	positive	positive	positive	PA	PA
		4965	18+72h	positive	positive	positive	positive	PA	PA
		4966	18h	positive	negative	positive	negative	PPND	ND
		4966	18+72h	positive	negative	positive	positive	PPND	PPND
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
Ready to eat, Ready to reheat	Ready to eat, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3731	18+72h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18h	positive	negative	positive	negative	PPND	ND
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	positive	positive	positive	PD	PD
		4292	18+72h	negative	positive	positive	positive	PD	PD
		4295	18h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA
		4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD

Table LSM C2.5 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Ready to eat, Ready to reheat	4315	18+72h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4316	18+72h	positive	positive	positive	positive	PA	PA
		4317	18h	positive	positive	positive	positive	PA	PA
		4317	18+72h	positive	positive	positive	positive	PA	PA
		5792	18h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5969	18+72h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA

Table LSM C2.6 Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3352	18+72h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	positive	positive	positive	PD	PD
		3353	18+72h	negative	positive	positive	positive	PD	PD
		4320	18h	positive	positive	positive	positive	PA	PA
		4320	18+72h	positive	positive	positive	positive	PA	PA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	positive	positive	positive	positive	PA	PA
		4322	18+72h	positive	positive	positive	positive	PA	PA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	positive	positive	positive	positive	PA	PA
		4324	18+72h	positive	positive	positive	positive	PA	PA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	positive	positive	positive	PD	PD
		4326	18+72h	negative	positive	positive	positive	PD	PD
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
	Cleaning and Process Waters	5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	positive	positive	positive	positive	PA	PA
		5447	18+72h	positive	positive	positive	positive	PA	PA
		3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3356	18h	positive	positive	positive	positive	PA	PA
		3356	18+72h	positive	positive	positive	positive	PA	PA
		4686	18h	negative	negative	positive	positive	PPNA	PPNA
		4686	18+72h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	positive	positive	PPNA	PPNA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	negative	negative	NA	NA
		6682	18+72h	negative	negative	negative	negative	NA	NA
		6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	positive	positive	positive	PD	PD
		6685	18+72h	negative	positive	positive	positive	PD	PD
		3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	positive	negative	negative	negative	ND	ND
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	positive	positive	positive	positive	PA	PA

Table LSM C2.6 (continued) Sensitivity data BAC Gene Multiplex (Listeria spp target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Surface Samples	3360	18+72h	positive	positive	positive	positive	PA	PA
		3361	18h	positive	negative	negative	negative	ND	ND
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	positive	negative	negative	negative	ND	ND
		5443	18h	positive	positive	positive	positive	PA	PA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	positive	negative	negative	negative	ND	ND
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	positive	positive	positive	positive	PA	PA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA

Table LMM A3.1 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4125	18h	negative	negative	negative	negative	NA	NA
		4125	18+72h	negative	negative	negative	negative	NA	NA
		4288	18h	positive	negative	negative	negative	ND	ND
		4288	18+72h	positive	negative	negative	negative	ND	ND
		4293	18h	negative	negative	negative	negative	NA	NA
		4293	18+72h	negative	negative	negative	negative	NA	NA
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5026	18h	negative	negative	negative	negative	NA	NA
		5027	18h	negative	negative	negative	negative	NA	NA
		5028	18h	negative	negative	negative	negative	NA	NA
		5029	18h	negative	negative	negative	negative	NA	NA
		5030	18h	negative	negative	negative	negative	NA	NA
		5031	18h	negative	negative	negative	negative	NA	NA
		5032	18h	negative	negative	negative	negative	NA	NA
		5231	18+72h	positive	positive	positive	positive	PA	PA
		5232	18+72h	positive	positive	positive	positive	PA	PA
		5233	18+72h	negative	positive	positive	positive	PD	PD
		5234	18+72h	positive	positive	positive	positive	PA	PA
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3015	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	positive	positive	PA	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	negative	negative	negative	negative	NA	NA
		4294	18+72h	negative	negative	negative	negative	NA	NA
		4752	18h	negative	negative	negative	negative	NA	NA

Table LMM A3.1 (continued) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Ready-to-reheat	Ready-to-reheat	4753	18h	negative	negative	negative	negative	NA	NA
		4754	18h	negative	negative	negative	negative	NA	NA
		4754	18+72h	negative	negative	negative	negative	NA	NA
		4755	18h	positive	positive	positive	positive	PA	PA
		4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4757	18h	negative	negative	negative	negative	NA	NA
		4758	18h	negative	positive	positive	positive	PD	PD
		4758	18+72h	negative	positive	positive	positive	PD	PD
		5033	18h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5035	18h	positive	positive	positive	positive	PA	PA
		5036	18h	negative	negative	negative	negative	NA	NA
		5037	18h	positive	positive	positive	positive	PA	PA
Composite foods / Ready-to-eat and ready-to-reheat	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	negative	negative	negative	negative	NA	NA
		4188	18+72h	negative	negative	negative	negative	NA	NA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	negative	negative	negative	negative	NA	NA
		4190	18+72h	negative	negative	negative	negative	NA	NA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	negative	positive	positive	positive	PD	PD
		4747	18+72h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA
		5229	18+72h	positive	positive	positive	positive	PA	PA
		5230	18+72h	positive	positive	positive	positive	PA	PA

Table LMM A3.2 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw products (frozen or fresh)	3007	18h	negative	positive	positive	positive	PD	PD
		3007	18+72h	negative	positive	positive	positive	PD	PD
		3009	18h	negative	positive	positive	positive	PD	PD
		3009	18+72h	negative	positive	positive	positive	PD	PD
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	negative	negative	negative	NA	NA
		3011	18+72h	negative	negative	negative	negative	NA	NA
		3722	18h	negative	negative	negative	negative	NA	NA
		3722	18+72h	negative	negative	negative	negative	NA	NA
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	negative	negative	negative	NA	NA
		3735	18+72h	negative	negative	negative	negative	NA	NA
		3736	18h	positive	positive	positive	positive	PA	PA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18h	negative	negative	negative	negative	NA	NA
		4109	18+72h	negative	negative	negative	negative	NA	NA
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	negative	negative	negative	ND	ND
		4118	18+72h	positive	negative	negative	negative	ND	ND
		4128	18h	positive	positive	positive	positive	PA	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
		6616	18h	negative	positive	positive	positive	PD	PD
		6616	18+72h	negative	negative	negative	negative	NA	NA
		6617	18h	positive	positive	positive	positive	PA	PA
		6617	18+72h	positive	positive	positive	positive	PA	PA
		6619	18h	positive	positive	positive	positive	PA	PA
		6619	18+72h	positive	positive	positive	positive	PA	PA
		6659	18h	negative	positive	positive	positive	PD	PD
		6659	18+72h	negative	positive	positive	positive	PD	PD
		6660	18h	positive	positive	positive	positive	PA	PA
		6660	18+72h	positive	positive	positive	positive	PA	PA
		6662	18h	positive	positive	positive	positive	PA	PA
		6662	18+72h	positive	positive	positive	positive	PA	PA
		6675	18h	positive	positive	positive	positive	PA	PA
		6675	18+72h	positive	positive	positive	positive	PA	PA
		6676	18h	negative	positive	positive	positive	PD	PD
		6676	18+72h	negative	positive	positive	positive	PD	PD
		6677	18h	positive	negative	negative	negative	ND	ND
		6677	18+72h	positive	negative	negative	negative	ND	ND
		6679	18h	positive	positive	positive	positive	PA	PA
		6679	18+72h	positive	positive	positive	positive	PA	PA
		6680	18h	positive	positive	positive	positive	PA	PA
		6680	18+72h	positive	positive	positive	positive	PA	PA
		6681	18h	positive	negative	negative	negative	ND	ND
		6681	18+72h	positive	negative	negative	negative	ND	ND
		6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD

Table LMM A3.2 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
	Raw products (frozen or fresh)	6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
Meat Products	Meat based products ready to reheat	3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	negative	positive	positive	positive	PD	PD
		3994	18+72h	negative	positive	positive	positive	PD	PD
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	negative	negative	negative	negative	NA	NA
		4196	18+72h	negative	negative	negative	negative	NA	NA
		4197	18h	negative	negative	negative	negative	NA	NA
		4197	18+72h	negative	negative	negative	negative	NA	NA
		4198	18h	negative	negative	negative	negative	NA	NA
		4198	18+72h	negative	negative	negative	negative	NA	NA
		4199	18h	negative	negative	negative	negative	NA	NA
		4199	18+72h	negative	negative	negative	negative	NA	NA
		4200	18h	positive	negative	negative	negative	ND	ND
		4200	18+72h	positive	negative	negative	negative	ND	ND
		4201	18h	negative	negative	negative	negative	NA	NA
		4201	18+72h	negative	negative	negative	negative	NA	NA
		6661	18h	negative	positive	positive	positive	PD	PD
		6661	18+72h	negative	positive	positive	positive	PD	PD
		6664	18h	negative	negative	negative	negative	NA	NA
		6665	18h	positive	positive	positive	positive	PA	PA
		6665	18+72h	positive	positive	positive	positive	PA	PA
		6666	18h	positive	negative	negative	negative	ND	ND
		6666	18+72h	positive	negative	negative	negative	ND	ND
		6667	18h	positive	negative	negative	negative	ND	ND
		6667	18+72h	positive	negative	negative	negative	ND	ND
		6668	18h	positive	positive	positive	positive	PA	PA
		6668	18+72h	positive	positive	positive	positive	PA	PA
		6669	18h	negative	positive	positive	positive	PD	PD
		6669	18+72h	negative	positive	positive	positive	PD	PD
		7033	18h	negative	negative	negative	negative	NA	NA
		7035	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
		3008	18h	negative	negative	negative	negative	NA	NA
		3008	18+72h	negative	negative	negative	negative	NA	NA
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	negative	negative	negative	negative	NA	NA
		3727	18+72h	negative	negative	negative	negative	NA	NA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD

Table LMM A3.2 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw and cooked delicatessen	4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4545	18h	negative	negative	negative	negative	NA	NA
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4546	18h	negative	positive	positive	positive	PD	PD
		4546	18+72h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18+72h	negative	negative	negative	negative	NA	NA
		6663	18h	positive	positive	positive	positive	PA	PA
		6663	18+72h	positive	positive	positive	positive	PA	PA
		6670	18h	positive	positive	positive	positive	PA	PA
		6670	18+72h	positive	positive	positive	positive	PA	PA
		6672	18h	negative	negative	negative	negative	NA	NA
		6672	18+72h	negative	negative	negative	negative	NA	NA
		6673	18h	positive	positive	positive	positive	PA	PA
		6673	18+72h	positive	positive	positive	positive	PA	PA
		6678	18h	positive	negative	positive	positive	PPND	PPND
		6678	18+72h	positive	negative	positive	positive	PPND	PPND

Table LMM A3.3 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3340	18+72h	negative	positive	positive	positive	PD	PD
		3341	18h	negative	positive	positive	positive	PD	PD
		3341	18+72h	negative	positive	positive	positive	PD	PD
		3342	18h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	negative	negative	negative	NA	NA
		3990	18+72h	negative	negative	negative	negative	NA	NA
		3991	18h	negative	negative	negative	negative	NA	NA
		3991	18+72h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4526	18+72h	positive	negative	negative	negative	ND	ND
		4528	18h	positive	negative	negative	negative	ND	ND
		4528	18+72h	positive	negative	negative	negative	ND	ND
		4529	18h	negative	positive	positive	positive	PD	PD
		4529	18+72h	negative	positive	positive	positive	PD	PD
		4530	18h	negative	negative	negative	negative	NA	NA
		4530	18+72h	negative	negative	negative	negative	NA	NA
		4531	18h	negative	negative	negative	negative	NA	NA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	negative	negative	negative	negative	NA	NA
		5952	18+72h	negative	negative	negative	Q	NA	Q
Other products based on raw milk	Other products based on raw milk	3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	negative	negative	negative	negative	NA	NA
		4532	18+72h	negative	negative	negative	negative	NA	NA
		4533	18h	positive	positive	positive	positive	PA	PA
		4533	18+72h	positive	positive	positive	positive	PA	PA
		4534	18h	negative	negative	negative	negative	NA	NA
		4534	18+72h	negative	negative	negative	negative	NA	NA

Table LMM A3.3 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Other products based on raw milk	4535	18h	positive	positive	positive	positive	PA	PA
		4535	18+72h	positive	negative	negative	negative	ND	ND
		4536	18h	positive	positive	positive	positive	PA	PA
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND
		4537	18+72h	positive	negative	negative	negative	ND	ND
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18h	negative	negative	negative	negative	NA	NA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		5955	18h	positive	positive	positive	positive	PA	PA
		5955	18+72h	positive	positive	positive	positive	PA	PA
		5956	18h	negative	positive	positive	positive	PD	PD
		5956	18+72h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
	Heat treated products	3006	18h	negative	positive	positive	positive	PD	PD
		3006	18+72h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	negative	negative	negative	NA	NA
		3350	18h	negative	negative	negative	negative	NA	NA
		3350	18+72h	negative	negative	negative	negative	NA	NA
		3351	18h	negative	negative	negative	negative	NA	NA
		3351	18+72h	negative	negative	negative	negative	NA	NA
		4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18+72h	negative	negative	negative	negative	NA	NA
		4310	18h	negative	negative	negative	negative	NA	NA
		4310	18+72h	negative	negative	negative	negative	NA	NA
		4311	18h	negative	negative	negative	negative	NA	NA
		4311	18+72h	negative	negative	negative	negative	NA	NA
		4312	18h	negative	negative	negative	negative	NA	NA
		4312	18+72h	negative	negative	negative	negative	NA	NA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	negative	negative	negative	NA	NA
		4330	18+72h	negative	positive	positive	positive	PD	PD
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA

Table LMM A3.3 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy products	Heat treated products	5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		5962	18h	positive	positive	positive	positive	PA	PA
		5962	18+72h	positive	positive	positive	positive	PA	PA
		6671	18h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA

Table LMM A3.4 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (fresh and frozen)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	negative	negative	negative	ND	ND
		3734	18+72h	positive	negative	negative	negative	ND	ND
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	negative	negative	negative	negative	NA	NA
		3979	18+72h	negative	negative	negative	negative	NA	NA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	negative	negative	negative	ND	ND
		4302	18+72h	positive	negative	negative	negative	ND	ND
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	negative	positive	positive	positive	PD	PD
		5797	18+72h	negative	positive	positive	positive	PD	PD
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	negative	positive	positive	positive	PD	PD
		6607	18+72h	negative	positive	negative	negative	NA	NA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6611	18+72h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	negative	negative	negative	ND	ND
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	negative	negative	negative	negative	NA	NA
		6714	18+72h	negative	negative	negative	negative	NA	NA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6716	18+72h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	negative	negative	negative	NA	NA
		6717	18+72h	negative	negative	negative	negative	NA	NA
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA

Table LMM A3.4 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	3740	18h	negative	negative	negative	negative	NA	NA
		3740	18+72h	negative	negative	negative	negative	NA	NA
		3741	18h	negative	positive	positive	positive	PD	PD
		3741	18+72h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4301	18h	negative	positive	positive	positive	PD	PD
		4301	18+72h	negative	positive	positive	positive	PD	PD
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	negative	negative	NA	NA
		4682	18+72h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5794	18h	negative	negative	negative	negative	NA	NA
		5798	18h	negative	positive	positive	positive	PD	PD
		5798	18+72h	negative	positive	positive	positive	PD	PD
		6609	18h	negative	negative	negative	negative	NA	NA
		6612	18h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6615	18+72h	negative	positive	negative	negative	NA	NA
		6718	18h	negative	negative	negative	negative	NA	NA
		6718	18+72h	negative	negative	negative	negative	NA	NA
		6719	18h	negative	positive	positive	positive	PD	PD
		6719	18+72h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	negative	negative	negative	NA	NA
		6720	18+72h	negative	negative	negative	negative	NA	NA
		6721	18h	positive	positive	positive	positive	PA	PA
		6721	18+72h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6722	18+72h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	RTE	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18h	negative	negative	negative	negative	NA	NA
		4203	18+72h	negative	negative	negative	negative	NA	NA
		4204	18h	positive	positive	positive	positive	PA	PA
		4204	18+72h	positive	positive	positive	positive	PA	PA

Table LMM A3.4 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	RTE	4205	18h	negative	negative	negative	negative	NA	NA
		4205	18+72h	negative	negative	negative	negative	NA	NA
		4206	18h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4207	18h	negative	negative	negative	negative	NA	NA
		4207	18+72h	negative	negative	negative	negative	NA	NA
		4208	18h	negative	negative	negative	negative	NA	NA
		4208	18+72h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA
		4739	18h	negative	positive	positive	positive	PD	PD
		4739	18+72h	negative	positive	positive	positive	PD	PD
		4740	18h	positive	negative	negative	negative	ND	ND
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18h	positive	positive	positive	positive	PA	PA
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	negative	negative	negative	ND	ND
		4742	18+72h	positive	negative	negative	negative	ND	ND
		4743	18h	positive	positive	positive	positive	PA	PA
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	negative	negative	negative	ND	ND
		4744	18+72h	positive	negative	negative	negative	ND	ND
		4745	18h	negative	positive	positive	positive	PD	PD
		4745	18+72h	negative	positive	positive	positive	PD	PD
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA

Table LMM A3.5 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	negative	negative	negative	negative	NA	NA
		3729	18+72h	negative	negative	negative	negative	NA	NA
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		3984	18+72h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18+72h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5224	18+72h	positive	positive	positive	positive	PA	PA
		5225	18+72h	positive	positive	positive	positive	PA	PA
		5226	18+72h	positive	positive	positive	positive	PA	PA
		5227	18+72h	positive	positive	positive	positive	PA	PA
		5228	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	negative	negative	negative	NA	NA
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5802	18+72h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		6618	18+72h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA

Table LMM A3.5 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		4000	18h	negative	positive	positive	positive	PD	PD
		4000	18+72h	negative	positive	positive	positive	PD	PD
		4001	18h	positive	positive	positive	positive	PA	PA
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	negative	negative	negative	negative	NA	NA
		4002	18+72h	negative	negative	negative	negative	NA	NA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18h	positive	negative	negative	negative	ND	ND
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	positive	positive	positive	PA	PA
		4965	18h	negative	positive	positive	positive	PD	PD
		4965	18+72h	negative	positive	positive	positive	PD	PD
		4966	18h	positive	negative	negative	negative	ND	ND
		4966	18+72h	positive	negative	negative	negative	ND	ND
		5241	18+72h	positive	positive	positive	positive	PA	PA
		5242	18+72h	positive	positive	positive	positive	PA	PA
		5243	18+72h	positive	positive	positive	positive	PA	PA
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
RTE, Ready to reheat	RTE, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	negative	negative	negative	NA	NA
		4292	18+72h	negative	negative	negative	negative	NA	NA
		4295	18h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA

Table LMM A3.5 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	RTE, Ready to reheat	4313	18+72h	positive	positive	positive	positive	PA	PA
		4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD
		4315	18+72h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4316	18+72h	positive	positive	positive	positive	PA	PA
		4317	18h	negative	negative	negative	negative	NA	NA
		4317	18+72h	negative	negative	negative	negative	NA	NA
		4318	18h	negative	negative	negative	negative	NA	NA
		4318	18+72h	negative	negative	negative	negative	NA	NA
		4319	18h	negative	negative	negative	negative	NA	NA
		4319	18+72h	negative	negative	negative	negative	NA	NA
		5238	18+72h	positive	positive	positive	positive	PA	PA
		5239	18+72h	positive	negative	negative	negative	ND	ND
		5240	18+72h	positive	positive	positive	positive	PA	PA
		5792	18h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5969	18+72h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA

Table LMM A3.6 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3352	18+72h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	negative	negative	negative	NA	NA
		3353	18+72h	negative	negative	negative	negative	NA	NA
		4320	18h	negative	negative	negative	negative	NA	NA
		4320	18+72h	negative	negative	negative	negative	NA	NA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	negative	negative	negative	negative	NA	NA
		4322	18+72h	negative	negative	negative	negative	NA	NA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	negative	negative	negative	negative	NA	NA
		4324	18+72h	negative	negative	negative	negative	NA	NA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	negative	negative	negative	NA	NA
		4326	18+72h	negative	negative	negative	negative	NA	NA
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	negative	positive	positive	positive	PD	PD
		5447	18+72h	negative	positive	positive	positive	PD	PD
		6756	18h	positive	negative	negative	negative	ND	ND
		6756	18+72h	positive	negative	negative	negative	ND	ND
		6757	18h	negative	positive	positive	positive	PD	PD
		6757	18+72h	negative	positive	positive	positive	PD	PD
		6759	18h	positive	positive	positive	positive	PA	PA
		6759	18+72h	positive	positive	positive	positive	PA	PA
		6760	18h	negative	negative	negative	negative	NA	NA
		6761	18h	positive	positive	positive	positive	PA	PA
		6761	18+72h	positive	positive	positive	positive	PA	PA
Cleaning and Process Waters	Cleaning and Process Waters	3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3355	18+72h	positive	positive	positive	positive	PA	PA
		3356	18h	negative	negative	negative	negative	NA	NA
		3356	18+72h	negative	negative	negative	negative	NA	NA
		4686	18h	negative	negative	negative	negative	NA	NA
		4686	18+72h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	negative	negative	NA	NA
		6682	18+72h	negative	negative	negative	negative	NA	NA

Table LMM A3.6 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Cleaning and Process Waters	6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	negative	negative	negative	NA	NA
		6685	18+72h	negative	negative	negative	negative	NA	NA
		6764	18h	positive	negative	negative	negative	ND	ND
		6766	18h	positive	positive	positive	positive	PA	PA
		6766	18+72h	positive	positive	positive	positive	PA	PA
		6768	18h	positive	positive	positive	positive	PA	PA
		6768	18+72h	positive	positive	positive	positive	PA	PA
		6770	18h	positive	positive	positive	positive	PA	PA
		6770	18+72h	positive	positive	positive	positive	PA	PA
		6772	18h	negative	negative	negative	negative	NA	NA
		6774	18h	positive	positive	positive	positive	PA	PA
		6774	18+72h	positive	positive	positive	positive	PA	PA
		6776	18h	positive	positive	positive	positive	PA	PA
		6776	18+72h	positive	positive	positive	positive	PA	PA
Environmental Samples	Surface samples	3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	negative	negative	negative	negative	NA	NA
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	negative	negative	negative	negative	NA	NA
		3360	18+72h	negative	negative	negative	negative	NA	NA
		3361	18h	negative	negative	negative	negative	NA	NA
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	negative	negative	negative	negative	NA	NA
		5443	18h	negative	negative	negative	negative	NA	NA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	negative	negative	negative	negative	NA	NA
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	negative	negative	negative	negative	NA	NA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA
		6778	18h	positive	positive	positive	positive	PA	PA
		6778	18+72h	positive	positive	positive	positive	PA	PA
		6779	18h	negative	negative	negative	negative	NA	NA
		6780	18h	negative	negative	negative	negative	NA	NA
		6781	18h	negative	positive	positive	positive	PD	PD
		6781	18+72h	negative	positive	positive	positive	PD	PD
		6782	18h	negative	negative	negative	negative	NA	NA
		6783	18h	positive	positive	positive	positive	PA	PA
		6783	18+72h	positive	positive	positive	positive	PA	PA
		6784	18h	positive	positive	positive	positive	PA	PA
		6784	18+72h	positive	positive	positive	positive	PA	PA

Table LMM C3.1 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18h	positive	negative	negative	negative	ND	ND
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4120	18h	negative	negative	negative	negative	NA	NA
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4125	18h	negative	negative	negative	negative	NA	NA
		4125	18+72h	negative	negative	negative	negative	NA	NA
		4288	18h	positive	negative	negative	negative	ND	ND
		4293	18h	negative	negative	negative	negative	NA	NA
		4293	18+72h	negative	negative	negative	negative	NA	NA
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5030	18h	negative	negative	negative	negative	NA	NA
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	negative	negative	ND(FN)	ND(FN)
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4127	18h	negative	negative	negative	negative	NA	NA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	negative	negative	negative	negative	NA	NA
		4294	18+72h	negative	negative	negative	negative	NA	NA
		4754	18h	negative	negative	negative	negative	NA	NA
		4754	18+72h	negative	negative	negative	negative	NA	NA
		4755	18h	positive	positive	positive	positive	PA	PA
		4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4758	18h	negative	positive	positive	positive	PD	PD
		4758	18+72h	negative	positive	positive	positive	PD	PD
		5033	18h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5036	18h	negative	negative	negative	negative	NA	NA

Table LMM C3.1 (continued) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	negative	negative	negative	negative	NA	NA
		4188	18+72h	negative	negative	negative	negative	NA	NA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	negative	negative	negative	negative	NA	NA
		4190	18+72h	negative	negative	negative	negative	NA	NA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	negative	positive	positive	positive	PD	PD
		4747	18+72h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA

Table LMM C3.2 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat products	Raw products (frozen or fresh)	3007	18h	negative	positive	negative	negative	NA	NA
		3009	18h	negative	positive	positive	positive	PD	PD
		3009	18+72h	negative	positive	positive	positive	PD	PD
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	negative	negative	negative	NA	NA
		3011	18+72h	negative	negative	negative	negative	NA	NA
		3722	18h	negative	negative	negative	negative	NA	NA
		3722	18+72h	negative	negative	negative	negative	NA	NA
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	negative	negative	negative	NA	NA
		3735	18+72h	negative	negative	negative	negative	NA	NA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18h	negative	negative	negative	negative	NA	NA
		4109	18+72h	negative	negative	negative	negative	NA	NA
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	negative	negative	negative	ND	ND
		4118	18+72h	positive	negative	negative	negative	ND	ND
		4128	18h	positive	positive	negative	positive	ND(FN)	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
	Meat based products ready to reheat	6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
		3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	negative	positive	positive	positive	PD	PD
		3994	18+72h	negative	positive	positive	positive	PD	PD
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	negative	negative	negative	negative	NA	NA
		4196	18+72h	negative	negative	negative	negative	NA	NA
		4197	18h	negative	negative	negative	negative	NA	NA
		4197	18+72h	negative	negative	negative	negative	NA	NA
		4198	18h	negative	negative	negative	negative	NA	NA
		4198	18+72h	negative	negative	negative	negative	NA	NA
		4199	18h	negative	negative	negative	negative	NA	NA
		4199	18+72h	negative	negative	negative	negative	NA	NA
		4200	18h	positive	negative	negative	negative	ND	ND
		4200	18+72h	positive	negative	negative	negative	ND	ND
		4201	18h	negative	negative	negative	negative	NA	NA
		4201	18+72h	negative	negative	negative	negative	NA	NA
		7032	18h	negative	negative	negative	negative	NA	NA

Table LMM C3.2 (continued) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat products	Meat based products ready to reheat	7033	18h	negative	negative	negative	negative	NA	NA
		7034	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
	Raw and cooked delicatessen	3008	18h	negative	negative	negative	negative	NA	NA
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	negative	negative	negative	negative	NA	NA
		3727	18+72h	negative	negative	negative	negative	NA	NA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4544	18+72h	positive	negative	negative	negative	ND	ND
		4545	18h	negative	negative	negative	negative	NA	NA
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18h	negative	negative	negative	negative	NA	NA
		4684	18+72h	negative	negative	negative	negative	NA	NA

Table LMM C3.3 (continued) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milk & Dairy products	Other products based on raw milk	4535	18+72h	positive	negative	negative	negative	ND	ND
		4536	18h	positive	positive	positive	positive	PA	PA
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND
		4537	18+72h	positive	negative	negative	negative	ND	ND
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18h	negative	negative	negative	negative	NA	NA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
	Heat treated products	3006	18h	negative	positive	positive	positive	PD	PD
		3006	18+72h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	negative	negative	negative	NA	NA
		3349	18+72h	negative	negative	negative	negative	NA	NA
		4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18h	negative	negative	negative	negative	NA	NA
		4309	18+72h	negative	negative	negative	negative	NA	NA
		4310	18h	negative	negative	negative	negative	NA	NA
		4310	18+72h	negative	negative	negative	negative	NA	NA
		4311	18h	negative	negative	negative	negative	NA	NA
		4311	18+72h	negative	negative	negative	negative	NA	NA
		4312	18h	negative	negative	negative	negative	NA	NA
		4312	18+72h	negative	negative	negative	negative	NA	NA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	negative	negative	negative	NA	NA
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		6671	18h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA

Table LMM C3.4 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (frozen or fresh)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	negative	negative	negative	ND	ND
		3734	18+72h	positive	negative	negative	negative	ND	ND
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	negative	negative	negative	negative	NA	NA
		3979	18+72h	negative	negative	negative	negative	NA	NA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	negative	negative	negative	ND	ND
		4302	18+72h	positive	negative	negative	negative	ND	ND
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	negative	positive	positive	positive	PD	PD
		5797	18+72h	negative	positive	positive	positive	PD	PD
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	negative	positive	positive	positive	PD	PD
		6607	18+72h	negative	positive	negative	negative	NA	NA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	negative	negative	negative	ND	ND
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	negative	negative	negative	negative	NA	NA
		6714	18+72h	negative	negative	negative	negative	NA	NA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	negative	negative	negative	NA	NA
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA
		3740	18h	negative	negative	negative	negative	NA	NA
		3740	18+72h	negative	negative	negative	negative	NA	NA
		3741	18h	negative	positive	positive	positive	PD	PD

Table LMM C3.4 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	3741	18+72h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4299	18h	positive	negative	negative	negative	ND	ND
		4299	18+72h	positive	negative	negative	negative	ND	ND
		4301	18h	negative	positive	positive	positive	PD	PD
		4301	18+72h	negative	positive	positive	positive	PD	PD
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	negative	negative	NA	NA
		4682	18+72h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5796	18h	negative	negative	negative	negative	NA	NA
		5796	18+72h	negative	negative	negative	negative	NA	NA
		5798	18h	negative	positive	positive	positive	PD	PD
		5798	18+72h	negative	positive	positive	positive	PD	PD
		6609	18h	negative	negative	negative	negative	NA	NA
		6613	18h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6615	18+72h	negative	positive	negative	positive	NA	PD
		6718	18h	negative	negative	negative	negative	NA	NA
		6719	18h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	negative	negative	negative	NA	NA
		6721	18h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	Ready-to-eat	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18h	negative	negative	negative	negative	NA	NA
		4203	18+72h	negative	negative	negative	negative	NA	NA
		4204	18h	positive	positive	positive	positive	PA	PA
		4204	18+72h	positive	positive	positive	positive	PA	PA
		4206	18h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4208	18h	negative	negative	negative	negative	NA	NA
		4208	18+72h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA

Table LMM C3.4 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Ready-to-eat	4740	18h	positive	negative	negative	negative	ND	ND
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18h	positive	positive	positive	positive	PA	PA
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	negative	negative	negative	ND	ND
		4742	18+72h	positive	negative	negative	negative	ND	ND
		4743	18h	positive	positive	positive	positive	PA	PA
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	negative	negative	negative	ND	ND
		4744	18+72h	positive	negative	negative	negative	ND	ND
		4745	18h	negative	positive	positive	positive	PD	PD
		4745	18+72h	negative	positive	positive	positive	PD	PD
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA

Table LMM C3.5 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (frozen or fresh)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	negative	negative	negative	negative	NA	NA
		3729	18+72h	negative	negative	negative	negative	NA	NA
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		3984	18+72h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	negative	questionable	NA	Q
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4130	18+72h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18h	negative	negative	negative	negative	NA	NA
		4968	18+72h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	negative	negative	negative	NA	NA
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5802	18h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
Cured & smoked	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		3999	18+72h	negative	negative	negative	negative	NA	NA
		4000	18h	negative	positive	positive	positive	PD	PD

Table LMM C3.5 (continued 1) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	4000	18+72h	negative	positive	positive	positive	PD	PD
		4001	18h	positive	positive	positive	positive	PA	PA
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	negative	negative	negative	negative	NA	NA
		4002	18+72h	negative	negative	negative	negative	NA	NA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18h	positive	negative	negative	negative	ND	ND
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	negative	negative	negative	ND	ND
		4965	18h	negative	positive	positive	positive	PD	PD
		4965	18+72h	negative	positive	positive	positive	PD	PD
		4966	18h	positive	negative	negative	negative	ND	ND
		4966	18+72h	positive	negative	negative	negative	ND	ND
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
Ready to eat, Ready to reheat	Ready to eat, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3731	18+72h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18h	positive	negative	negative	negative	ND	ND
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	negative	negative	negative	NA	NA
		4292	18+72h	negative	negative	negative	negative	NA	NA
		4295	18h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA
		4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD

Table LMM C3.5 (continued 2) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Ready to eat, Ready to reheat	4315	18+72h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4316	18+72h	positive	positive	positive	positive	PA	PA
		4317	18h	negative	negative	negative	negative	NA	NA
		4317	18+72h	negative	negative	negative	negative	NA	NA
		5792	18h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5969	18+72h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA

Table LMM C3.6 Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3352	18+72h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	negative	negative	negative	NA	NA
		3353	18+72h	negative	negative	negative	negative	NA	NA
		4320	18h	negative	negative	negative	negative	NA	NA
		4320	18+72h	negative	negative	negative	negative	NA	NA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	negative	negative	negative	negative	NA	NA
		4322	18+72h	negative	negative	negative	negative	NA	NA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	negative	negative	negative	negative	NA	NA
		4324	18+72h	negative	negative	negative	negative	NA	NA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	negative	negative	negative	NA	NA
		4326	18+72h	negative	negative	negative	negative	NA	NA
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	negative	positive	positive	positive	PD	PD
		5447	18+72h	negative	positive	positive	positive	PD	PD
	Cleaning and Process Waters	3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3356	18h	negative	negative	negative	negative	NA	NA
		3356	18+72h	negative	negative	negative	negative	NA	NA
		4686	18h	negative	negative	negative	negative	NA	NA
		4686	18+72h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	negative	negative	NA	NA
		6682	18+72h	negative	negative	negative	negative	NA	NA
		6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	negative	negative	negative	NA	NA
		6685	18+72h	negative	negative	negative	negative	NA	NA
		3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	negative	negative	negative	negative	NA	NA
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	negative	negative	negative	negative	NA	NA

Table LMM C3.6 (continued) Sensitivity data BAC Gene Multiplex (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Surface Samples	3360	18+72h	negative	negative	negative	negative	NA	NA
		3361	18h	negative	negative	negative	negative	NA	NA
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	negative	negative	negative	negative	NA	NA
		5443	18h	negative	negative	negative	negative	NA	NA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	negative	negative	negative	negative	NA	NA
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	negative	negative	negative	negative	NA	NA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA

Table LMS A4.1 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4121	18h	negative	positive	positive	positive	PD	PD
		4125	18h	negative	negative	negative	negative	NA	NA
		4288	18h	positive	negative	negative	negative	ND	ND
		4293	18h	negative	negative	negative	negative	NA	NA
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5026	18h	negative	negative	negative	negative	NA	NA
		5027	18h	negative	negative	negative	negative	NA	NA
		5028	18h	negative	negative	negative	negative	NA	NA
		5029	18h	negative	negative	negative	negative	NA	NA
		5030	18h	negative	negative	negative	negative	NA	NA
		5031	18h	negative	negative	negative	negative	NA	NA
		5032	18h	negative	negative	negative	negative	NA	NA
		5231	18h	positive	positive	positive	positive	PA	PA
		5232	18h	positive	positive	positive	positive	PA	PA
		5233	18h	negative	positive	positive	positive	PD	PD
		5234	18h	positive	positive	positive	positive	PA	PA
		5235	18h	positive	negative	negative	negative	ND	ND
		5236	18h	positive	positive	positive	positive	PA	PA
		3985	18+72h	negative	positive	positive	positive	PD	PD
		3989	18+72h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4125	18+72h	negative	negative	negative	negative	NA	NA
		5023	18+72h	positive	negative	negative	negative	ND	ND
		5231	18+72h	positive	positive	positive	positive	PA	PA
		5232	18+72h	positive	positive	positive	positive	PA	PA
		5233	18+72h	negative	positive	positive	positive	PD	PD
		5234	18+72h	positive	positive	positive	positive	PA	PA
	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3015	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA
		4115	18h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	positive	positive	PA	PA
		4127	18h	negative	negative	negative	negative	NA	NA
		4286	18h	negative	negative	negative	positive	NA	PPNA
		4289	18h	negative	negative	negative	negative	NA	NA

Table LMS A4.1 (continued) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Ready-to-reheat	Composite foods / Ready-to-eat and ready-to-reheat	4294	18h	negative	negative	negative	negative	NA	NA
		4752	18h	negative	negative	negative	negative	NA	NA
		4753	18h	negative	negative	negative	negative	NA	NA
		4754	18h	negative	negative	negative	negative	NA	NA
		4755	18h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4757	18h	negative	negative	negative	negative	NA	NA
		4758	18h	negative	positive	positive	positive	PD	PD
		5033	18h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5035	18h	positive	positive	positive	positive	PA	PA
		5036	18h	negative	negative	negative	negative	NA	NA
		5037	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4758	18+72h	negative	positive	positive	positive	PD	PD
		5033	18+72h	negative	positive	positive	positive	PD	PD
		5035	18+72h	positive	positive	positive	positive	PA	PA
		5037	18+72h	positive	positive	positive	positive	PA	PA
Confectionaries, pastries and egg products	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	negative	negative	negative	negative	NA	NA
		4189	18h	positive	positive	positive	positive	PA	PA
		4190	18h	negative	negative	negative	negative	NA	NA
		4191	18h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4747	18h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA
		5229	18h	positive	positive	positive	positive	PA	PA
		5230	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18+72h	negative	positive	positive	positive	PD	PD
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5229	18+72h	positive	positive	positive	positive	PA	PA
		5230	18+72h	positive	positive	positive	positive	PA	PA

Table LMS A4.2 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw products (frozen or fresh)	3007	18h	negative	positive	positive	positive	PD	PD
		3009	18h	negative	positive	positive	positive	PD	PD
		3010	18h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	negative	negative	negative	NA	NA
		3722	18h	negative	negative	negative	negative	NA	NA
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	negative	negative	negative	NA	NA
		3736	18h	positive	positive	positive	positive	PA	PA
		4109	18h	negative	negative	negative	negative	NA	NA
		4117	18h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	negative	negative	negative	ND	ND
		4128	18h	positive	positive	positive	positive	PA	PA
		6616	18h	negative	positive	positive	positive	PD	PD
		6617	18h	positive	positive	positive	positive	PA	PA
		6619	18h	positive	positive	positive	positive	PA	PA
		6659	18h	negative	positive	positive	positive	PD	PD
		6660	18h	positive	positive	positive	positive	PA	PA
		6662	18h	positive	positive	positive	positive	PA	PA
		6675	18h	positive	positive	positive	positive	PA	PA
		6676	18h	negative	positive	positive	positive	PD	PD
		6677	18h	positive	negative	negative	negative	ND	ND
		6679	18h	positive	positive	positive	positive	PA	PA
		6680	18h	positive	positive	positive	positive	PA	PA
		6681	18h	positive	negative	negative	negative	ND	ND
		6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA
		3009	18+72h	negative	positive	positive	positive	PD	PD
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18+72h	negative	negative	negative	negative	NA	NA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18+72h	positive	negative	negative	negative	ND	ND
		4128	18+72h	positive	positive	positive	positive	PA	PA
		6616	18+72h	negative	positive	positive	positive	PD	PD
		6617	18+72h	positive	positive	positive	positive	PA	PA
		6619	18+72h	positive	positive	positive	positive	PA	PA
		6659	18+72h	negative	positive	positive	positive	PD	PD
		6660	18+72h	positive	positive	positive	positive	PA	PA
		6662	18+72h	positive	positive	positive	positive	PA	PA
		6675	18+72h	positive	positive	positive	positive	PA	PA
		6676	18+72h	negative	positive	positive	positive	PD	PD
		6677	18+72h	positive	negative	negative	negative	ND	ND
		6679	18+72h	positive	positive	positive	positive	PA	PA
		6681	18+72h	positive	negative	negative	negative	ND	ND
		6841	18+72h	negative	positive	positive	positive	PD	PD

Table LMS A4.2 (continued 1) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Meat based products ready to reheat	3737	18h	negative	positive	positive	positive	PD	PD
		3994	18h	negative	positive	positive	positive	PD	PD
		4114	18h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4196	18h	negative	negative	negative	negative	NA	NA
		4197	18h	negative	negative	negative	negative	NA	NA
		4198	18h	negative	negative	negative	negative	NA	NA
		4199	18h	negative	negative	negative	negative	NA	NA
		4200	18h	positive	negative	negative	negative	ND	ND
		4201	18h	negative	negative	negative	negative	NA	NA
		6661	18h	negative	positive	positive	positive	PD	PD
		6664	18h	negative	negative	negative	negative	NA	NA
		6665	18h	positive	positive	positive	positive	PA	PA
		6666	18h	positive	negative	negative	negative	ND	ND
		6667	18h	positive	negative	negative	negative	ND	ND
		6668	18h	positive	positive	positive	positive	PA	PA
		6669	18h	negative	positive	positive	positive	PD	PD
		7032	18h	negative	negative	negative	negative	NA	NA
		7033	18h	negative	negative	negative	negative	NA	NA
		7034	18h	negative	negative	negative	negative	NA	NA
		7035	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18+72h	negative	positive	positive	positive	PD	PD
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4200	18+72h	positive	negative	negative	negative	ND	ND
		6661	18+72h	negative	positive	positive	positive	PD	PD
		6665	18+72h	positive	positive	positive	positive	PA	PA
		6666	18+72h	positive	negative	negative	negative	ND	ND
		6667	18+72h	positive	negative	negative	negative	ND	ND
		6668	18+72h	positive	positive	positive	positive	PA	PA
		6669	18+72h	negative	positive	positive	positive	PD	PD
	Raw and cooked delicatessen	3008	18h	negative	negative	negative	negative	NA	NA
		3725	18h	negative	positive	positive	positive	PD	PD
		3727	18h	negative	negative	negative	negative	NA	NA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4544	18h	positive	negative	negative	negative	ND	ND
		4545	18h	negative	negative	negative	negative	NA	NA
		4546	18h	negative	positive	positive	positive	PD	PD
		4679	18h	negative	negative	negative	negative	NA	NA
		4684	18h	negative	negative	negative	negative	NA	NA
		6663	18h	positive	positive	positive	positive	PA	PA
		6670	18h	positive	positive	positive	positive	PA	PA
		6672	18h	negative	negative	negative	negative	NA	NA
		6673	18h	positive	positive	positive	positive	PA	PA

Table LMS A4.2 (continued 2) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw and cooked delicatessen	6678	18h	positive	negative	negative	negative	ND	ND
		6943	18h	positive	positive	positive	positive	PA	PA
		6944	18h	positive	positive	positive	positive	PA	PA
		6945	18h	positive	positive	positive	positive	PA	PA
		6946	18h	positive	positive	positive	positive	PA	PA
		6947	18h	negative	negative	negative	negative	NA	NA
		6948	18h	positive	negative	negative	negative	ND	ND
		6950	18h	negative	positive	positive	positive	PD	PD
		6950	18+72h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18+72h	positive	negative	negative	negative	ND	ND
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4546	18+72h	negative	positive	positive	positive	PD	PD
		6663	18+72h	positive	positive	positive	positive	PA	PA
		6670	18+72h	positive	positive	positive	positive	PA	PA
		6673	18+72h	positive	positive	positive	positive	PA	PA
		6943	18+72h	positive	positive	positive	positive	PA	PA
		6944	18+72h	positive	positive	positive	positive	PA	PA
		6945	18+72h	positive	positive	positive	positive	PA	PA
		6948	18+72h	positive	negative	negative	negative	ND	ND

Table LMS A4.3 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milk & Dairy Products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3341	18h	negative	positive	positive	positive	PD	PD
		3342	18h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	negative	negative	negative	NA	NA
		3991	18h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4528	18h	positive	negative	negative	positive	ND	PPND
		4529	18h	negative	positive	positive	positive	PD	PD
		4530	18h	negative	negative	negative	negative	NA	NA
		4531	18h	negative	negative	negative	negative	NA	NA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	negative	negative	negative	negative	NA	NA
		6951	18h	positive	positive	positive	positive	PA	PA
		6952	18h	negative	negative	negative	negative	NA	NA
		6953	18h	negative	positive	positive	positive	PD	PD
		6954	18h	positive	negative	negative	negative	ND	ND
	Other products based on raw milk	3340	18+72h	negative	positive	positive	positive	PD	PD
		3341	18+72h	negative	positive	positive	positive	PD	PD
		3342	18+72h	positive	negative	negative	negative	ND	ND
		4526	18+72h	positive	negative	negative	negative	ND	ND
		4528	18+72h	positive	negative	negative	negative	ND	ND
		4529	18+72h	negative	positive	positive	positive	PD	PD
		6951	18+72h	positive	positive	positive	positive	PA	PA
		6953	18+72h	negative	positive	positive	positive	PD	PD
		6954	18+72h	positive	negative	negative	negative	ND	ND
		3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	negative	negative	negative	negative	NA	NA
		4533	18h	positive	positive	positive	positive	PA	PA
		4534	18h	negative	negative	negative	negative	NA	NA
		4535	18h	positive	positive	positive	positive	PA	PA
		4536	18h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND

Table LMS A4.3 (continued 1) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milk & Dairy Products	Other products based on raw milk	4538	18h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5954	18h	negative	negative	negative	negative	NA	NA
		5955	18h	positive	positive	positive	positive	PA	PA
		5956	18h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		4533	18+72h	positive	positive	positive	positive	PA	PA
		4535	18+72h	positive	negative	negative	negative	ND	ND
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18+72h	positive	negative	negative	negative	ND	ND
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		5955	18+72h	positive	positive	positive	positive	PA	PA
		5956	18+72h	negative	positive	positive	positive	PD	PD
	Heat treated products	3006	18h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	negative	negative	negative	NA	NA
		3350	18h	negative	negative	negative	negative	NA	NA
		3351	18h	negative	negative	negative	negative	NA	NA
		4306	18h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4309	18h	negative	negative	negative	negative	NA	NA
		4310	18h	negative	negative	negative	negative	NA	NA
		4311	18h	negative	negative	negative	negative	NA	NA
		4312	18h	negative	negative	negative	positive	NA	PPNA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	negative	negative	negative	NA	NA
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5962	18h	positive	positive	positive	positive	PA	PA
		6671	18h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		3006	18+72h	negative	positive	positive	positive	PD	PD
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4330	18+72h	negative	positive	positive	positive	PD	PD
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		5962	18+72h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA

Table LMS A4.4 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (fresh and frozen)	3003	18h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	negative	negative	negative	ND	ND
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	negative	negative	negative	negative	NA	NA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	positive	NA	PPNA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	negative	negative	negative	ND	ND
		4305	18h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	negative	positive	positive	positive	PD	PD
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	negative	positive	positive	positive	PD	PD
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	negative	negative	negative	ND	ND
		6713	18h	positive	positive	positive	positive	PA	PA
		6714	18h	negative	negative	negative	negative	NA	NA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	negative	negative	negative	NA	NA
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3734	18+72h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		4302	18+72h	positive	negative	negative	negative	ND	ND
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18+72h	negative	positive	positive	positive	PD	PD
		5797	18+72h	negative	positive	positive	positive	PD	PD
		6607	18+72h	negative	positive	positive	positive	PD	PD
		6611	18+72h	positive	positive	positive	positive	PA	PA
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6716	18+72h	positive	negative	negative	negative	ND	ND
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA
		3740	18h	negative	negative	negative	negative	NA	NA
		3741	18h	negative	positive	positive	positive	PD	PD
		4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA

Table LMS A4.4 (continued 1) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4299	18h	positive	negative	negative	negative	ND	ND
		4301	18h	negative	positive	positive	positive	PD	PD
		4304	18h	negative	negative	negative	positive	NA	PPNA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5794	18h	negative	negative	negative	negative	NA	NA
		5796	18h	negative	negative	negative	negative	NA	NA
		5798	18h	negative	positive	positive	positive	PD	PD
		6609	18h	negative	negative	negative	negative	NA	NA
		6612	18h	negative	negative	negative	negative	NA	NA
		6613	18h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6718	18h	negative	negative	negative	negative	NA	NA
		6719	18h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	negative	negative	negative	NA	NA
		6721	18h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
		3741	18+72h	negative	positive	positive	positive	PD	PD
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4299	18+72h	positive	negative	negative	negative	ND	ND
		4301	18+72h	negative	positive	positive	positive	PD	PD
		4680	18+72h	positive	negative	negative	negative	ND	ND
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5798	18+72h	negative	positive	positive	positive	PD	PD
		6615	18+72h	negative	positive	negative	negative	NA	NA
		6719	18+72h	negative	positive	positive	positive	PD	PD
		6721	18+72h	positive	positive	positive	positive	PA	PA
		6722	18+72h	positive	negative	negative	negative	ND	ND
	RTE	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4203	18h	negative	negative	negative	negative	NA	NA
		4204	18h	positive	positive	positive	positive	PA	PA
		4205	18h	negative	negative	negative	negative	NA	NA
		4206	18h	positive	positive	positive	positive	PA	PA
		4207	18h	negative	negative	negative	negative	NA	NA
		4208	18h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA
		4739	18h	negative	positive	positive	positive	PD	PD
		4740	18h	positive	negative	negative	negative	ND	ND

Table LMS A4.4 (continued 2) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	RTE	4741	18h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	negative	negative	negative	ND	ND
		4743	18h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	negative	negative	negative	ND	ND
		4745	18h	negative	positive	positive	positive	PD	PD
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4204	18+72h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4739	18+72h	negative	positive	positive	positive	PD	PD
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18+72h	positive	negative	negative	negative	ND	ND
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18+72h	positive	negative	negative	negative	ND	ND
		4745	18+72h	negative	positive	positive	positive	PD	PD

Table LMS A4.5 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3729	18h	negative	negative	negative	negative	NA	NA
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		5224	18h	positive	positive	positive	positive	PA	PA
		5225	18h	positive	positive	positive	positive	PA	PA
		5226	18h	positive	positive	positive	positive	PA	PA
		5227	18h	positive	positive	positive	positive	PA	PA
		5228	18h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	negative	negative	negative	NA	NA
		5791	18h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5802	18h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3982	18+72h	positive	positive	positive	positive	PA	PA
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18+72h	positive	negative	negative	negative	ND	ND
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5224	18+72h	positive	positive	positive	positive	PA	PA
		5225	18+72h	positive	positive	positive	positive	PA	PA
		5226	18+72h	positive	positive	positive	positive	PA	PA
		5227	18+72h	positive	positive	positive	positive	PA	PA
		5228	18+72h	positive	positive	positive	positive	PA	PA
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18+72h	positive	positive	positive	positive	PA	PA

Table LMS A4.5 (continued 1) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		3728	18h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		4000	18h	negative	positive	positive	positive	PD	PD
		4001	18h	positive	positive	positive	positive	PA	PA
		4002	18h	negative	negative	negative	negative	NA	NA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4965	18h	negative	positive	positive	positive	PD	PD
		4966	18h	positive	negative	negative	negative	ND	ND
		5241	18h	positive	positive	positive	positive	PA	PA
		5242	18h	positive	positive	positive	positive	PA	PA
		5243	18h	positive	positive	positive	positive	PA	PA
		5966	18h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		2998	18+72h	positive	positive	positive	positive	PA	PA
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18+72h	positive	positive	positive	positive	PA	PA
		4000	18+72h	negative	positive	positive	positive	PD	PD
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	negative	negative	negative	ND	ND
		4965	18+72h	negative	positive	positive	positive	PD	PD
		4966	18+72h	positive	negative	negative	negative	ND	ND
		5241	18+72h	positive	positive	positive	positive	PA	PA
		5242	18+72h	positive	positive	positive	positive	PA	PA
		5243	18+72h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6830	18+72h	negative	negative	negative	negative	NA	NA
RTE, Ready to reheat	RTE, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4292	18h	negative	negative	negative	negative	NA	NA
		4295	18h	positive	positive	positive	positive	PA	PA

Table LMS A4.5 (continued 2) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	RTE, Ready to reheat	4313	18h	positive	positive	positive	positive	PA	PA
		4314	18h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4317	18h	negative	negative	negative	negative	NA	NA
		4318	18h	negative	negative	negative	negative	NA	NA
		4319	18h	negative	negative	negative	negative	NA	NA
		5238	18h	positive	positive	positive	positive	PA	PA
		5239	18h	positive	negative	negative	negative	ND	ND
		5240	18h	positive	positive	positive	positive	PA	PA
		5792	18h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18+72h	negative	positive	positive	positive	PD	PD
		4316	18+72h	positive	positive	positive	positive	PA	PA
		5238	18+72h	positive	positive	positive	positive	PA	PA
		5239	18+72h	positive	negative	negative	negative	ND	ND
		5240	18+72h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18+72h	negative	positive	positive	positive	PD	PD
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA

Table LMS A4.6 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	positive	NA	PPNA
		3353	18h	negative	negative	negative	negative	NA	NA
		4320	18h	negative	negative	negative	negative	NA	NA
		4321	18h	positive	positive	positive	positive	PA	PA
		4322	18h	negative	negative	negative	negative	NA	NA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	negative	negative	negative	negative	NA	NA
		4325	18h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	negative	negative	negative	NA	NA
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	negative	positive	positive	positive	PD	PD
		6756	18h	positive	negative	negative	negative	ND	ND
		6757	18h	negative	positive	positive	positive	PD	PD
		6759	18h	positive	positive	positive	positive	PA	PA
		6760	18h	negative	negative	negative	negative	NA	NA
		6761	18h	positive	positive	positive	positive	PA	PA
		6930	18h	negative	negative	negative	negative	NA	NA
		6931	18h	negative	negative	negative	negative	NA	NA
		6932	18h	negative	negative	negative	negative	NA	NA
		6933	18h	negative	positive	positive	positive	PD	PD
		6937	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5447	18+72h	negative	positive	positive	positive	PD	PD
		6756	18+72h	positive	negative	negative	negative	ND	ND
		6757	18+72h	negative	positive	positive	positive	PD	PD
		6759	18+72h	positive	positive	positive	positive	PA	PA
		6761	18+72h	positive	positive	positive	positive	PA	PA
		6931	18+72h	negative	negative	negative	negative	NA	NA
		6933	18+72h	negative	positive	positive	positive	PD	PD
	Cleaning and Process Waters	3354	18h	negative	positive	positive	positive	PD	PD
		3355	18h	positive	positive	negative	positive	ND(FN)	PA
		3356	18h	negative	negative	negative	negative	NA	NA
		4686	18h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	negative	negative	NA	NA
		6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	negative	negative	negative	NA	NA
		6764	18h	positive	negative	negative	negative	ND	ND

Table LMS A4.6 (continued 1) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Cleaning and Process Waters	6766	18h	positive	positive	positive	positive	PA	PA
		6768	18h	positive	positive	positive	positive	PA	PA
		6770	18h	positive	positive	positive	positive	PA	PA
		6772	18h	negative	negative	negative	negative	NA	NA
		6774	18h	positive	positive	positive	positive	PA	PA
		6776	18h	positive	positive	positive	positive	PA	PA
		6934	18h	negative	negative	negative	negative	NA	NA
		6935	18h	positive	positive	positive	positive	PA	PA
		6936	18h	positive	positive	positive	positive	PA	PA
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3355	18+72h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		6766	18+72h	positive	positive	positive	positive	PA	PA
		6768	18+72h	positive	positive	positive	positive	PA	PA
		6770	18+72h	positive	positive	positive	positive	PA	PA
		6774	18+72h	positive	positive	positive	positive	PA	PA
		6776	18+72h	positive	positive	positive	positive	PA	PA
		6935	18+72h	positive	positive	positive	positive	PA	PA
		6936	18+72h	positive	positive	positive	positive	PA	PA
	Surface samples	3357	18h	positive	positive	positive	positive	PA	PA
		3358	18h	negative	negative	negative	negative	NA	NA
		3359	18h	positive	positive	positive	positive	PA	PA
		3360	18h	negative	negative	negative	negative	NA	NA
		3361	18h	negative	negative	negative	negative	NA	NA
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	negative	negative	negative	negative	NA	NA
		5443	18h	negative	negative	negative	negative	NA	NA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	negative	negative	negative	negative	NA	NA
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	negative	negative	negative	negative	NA	NA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA
		6778	18h	positive	positive	positive	positive	PA	PA
		6779	18h	negative	negative	negative	negative	NA	NA
		6780	18h	negative	negative	negative	negative	NA	NA
		6781	18h	negative	positive	positive	positive	PD	PD
		6783	18h	positive	positive	positive	positive	PA	PA
		6784	18h	positive	positive	positive	positive	PA	PA
		6938	18h	positive	positive	positive	positive	PA	PA
		6939	18h	positive	positive	positive	positive	PA	PA
		6940	18h	positive	positive	positive	positive	PA	PA
		6941	18h	negative	negative	negative	negative	NA	NA
		6942	18h	negative	negative	negative	negative	NA	NA
		6937	18+72h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA

Table LMS A4.6 (continued 2) Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Surface samples	5452	18+72h	negative	positive	positive	positive	PD	PD
		6778	18+72h	positive	positive	positive	positive	PA	PA
		6781	18+72h	negative	positive	positive	positive	PD	PD
		6783	18+72h	positive	positive	positive	positive	PA	PA
		6784	18+72h	positive	positive	positive	positive	PA	PA
		6938	18+72h	positive	positive	positive	positive	PA	PA
		6939	18+72h	positive	positive	positive	positive	PA	PA
		6940	18+72h	positive	positive	positive	positive	PA	PA

Table LMS C4.1 Sensitivity data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Composite foods / Ready-to-eat and ready-to-reheat	Ready-to-eat	3739	18h	negative	negative	negative	negative	NA	NA
		3985	18h	negative	positive	positive	positive	PD	PD
		3987	18h	negative	negative	negative	negative	NA	NA
		3989	18h	positive	negative	negative	negative	ND	ND
		3989	18+72h	positive	negative	negative	negative	ND	ND
		3995	18h	negative	negative	negative	negative	NA	NA
		4111	18h	negative	negative	negative	negative	NA	NA
		4112	18h	positive	negative	negative	negative	ND	ND
		4112	18+72h	positive	negative	negative	negative	ND	ND
		4120	18h	negative	negative	negative	negative	NA	NA
		4121	18h	negative	positive	positive	positive	PD	PD
		4121	18+72h	negative	positive	positive	positive	PD	PD
		4125	18h	negative	negative	negative	negative	NA	NA
		4125	18+72h	negative	negative	negative	negative	NA	NA
		4288	18h	positive	negative	negative	negative	ND	ND
		4288	18+72h	positive	negative	negative	negative	ND	ND
		4293	18h	negative	negative	negative	negative	NA	NA
		4671	18h	negative	negative	negative	negative	NA	NA
		5022	18h	negative	negative	negative	negative	NA	NA
		5023	18h	positive	negative	negative	negative	ND	ND
		5023	18+72h	positive	negative	negative	negative	ND	ND
		5024	18h	negative	negative	negative	negative	NA	NA
		5025	18h	negative	negative	negative	negative	NA	NA
		5026	18h	negative	negative	negative	negative	NA	NA
		5027	18h	negative	negative	negative	negative	NA	NA
		5028	18h	negative	negative	negative	negative	NA	NA
		5029	18h	negative	negative	negative	negative	NA	NA
		5030	18h	negative	negative	negative	negative	NA	NA
		5032	18h	negative	negative	negative	negative	NA	NA
		5231	18h	positive	positive	positive	positive	PA	PA
		5231	18+72h	positive	positive	positive	positive	PA	PA
		5232	18h	positive	positive	positive	positive	PA	PA
		5232	18+72h	positive	positive	positive	positive	PA	PA
		5233	18h	negative	positive	positive	positive	PD	PD
		5233	18+72h	negative	positive	positive	positive	PD	PD
		5234	18h	positive	positive	positive	positive	PA	PA
		5234	18+72h	positive	positive	positive	positive	PA	PA
		5235	18h	positive	negative	negative	negative	ND	ND
		5235	18+72h	positive	negative	negative	negative	ND	ND
		5236	18h	positive	positive	positive	positive	PA	PA
		5236	18+72h	positive	positive	positive	positive	PA	PA
Ready-to-reheat	Ready-to-reheat	3012	18h	positive	positive	positive	positive	PA	PA
		3012	18+72h	positive	positive	positive	positive	PA	PA
		3014	18h	negative	negative	negative	negative	NA	NA
		3015	18h	negative	negative	negative	negative	NA	NA
		3978	18h	negative	negative	negative	negative	NA	NA
		3980	18h	positive	positive	positive	positive	PA	PA
		3980	18+72h	positive	positive	positive	positive	PA	PA
		3983	18h	positive	positive	positive	positive	PA	PA
		3983	18+72h	positive	positive	positive	positive	PA	PA
		3986	18h	negative	negative	negative	negative	NA	NA

Table LMS C4.1 Sensitivity (continued) data BAC Gene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Ready-to-reheat	Composite foods / Ready-to-eat and ready-to-reheat	4115	18h	negative	negative	negative	negative	NA	NA
		4116	18h	positive	positive	negative	positive	ND(FN)	PA
		4116	18+72h	positive	positive	positive	positive	PA	PA
		4127	18h	negative	negative	negative	negative	NA	NA
		4286	18h	negative	negative	negative	negative	NA	NA
		4289	18h	negative	negative	negative	negative	NA	NA
		4294	18h	negative	negative	negative	negative	NA	NA
		4752	18h	negative	negative	negative	negative	NA	NA
		4753	18h	negative	negative	negative	negative	NA	NA
		4754	18h	negative	negative	negative	negative	NA	NA
		4755	18h	positive	positive	positive	positive	PA	PA
		4755	18+72h	positive	positive	positive	positive	PA	PA
		4756	18h	positive	positive	positive	positive	PA	PA
		4756	18+72h	positive	positive	positive	positive	PA	PA
		4757	18h	negative	negative	negative	negative	NA	NA
		4758	18h	negative	positive	positive	positive	PD	PD
		4758	18+72h	negative	positive	positive	positive	PD	PD
		5033	18h	negative	positive	positive	positive	PD	PD
		5033	18+72h	negative	positive	positive	positive	PD	PD
		5034	18h	negative	negative	negative	negative	NA	NA
		5035	18h	positive	positive	positive	positive	PA	PA
		5035	18+72h	positive	positive	positive	positive	PA	PA
		5036	18h	negative	negative	negative	negative	NA	NA
		5037	18h	positive	positive	positive	positive	PA	PA
		5037	18+72h	positive	positive	positive	positive	PA	PA
Confectionaries, pastries and egg products	Confectionaries, pastries and egg products	3013	18h	negative	negative	negative	negative	NA	NA
		4188	18h	negative	negative	negative	negative	NA	NA
		4189	18h	positive	positive	positive	positive	PA	PA
		4189	18+72h	positive	positive	positive	positive	PA	PA
		4190	18h	negative	negative	negative	negative	NA	NA
		4191	18h	positive	positive	positive	positive	PA	PA
		4191	18+72h	positive	positive	positive	positive	PA	PA
		4192	18h	positive	negative	negative	negative	ND	ND
		4192	18+72h	positive	negative	negative	negative	ND	ND
		4193	18h	positive	positive	positive	positive	PA	PA
		4193	18+72h	positive	positive	positive	positive	PA	PA
		4194	18h	negative	negative	negative	negative	NA	NA
		4746	18h	positive	positive	positive	positive	PA	PA
		4746	18+72h	positive	positive	positive	positive	PA	PA
		4747	18h	negative	positive	positive	positive	PD	PD
		4747	18+72h	negative	positive	positive	positive	PD	PD
		4749	18h	positive	positive	positive	positive	PA	PA
		4749	18+72h	positive	positive	positive	positive	PA	PA
		4750	18h	negative	positive	positive	positive	PD	PD
		4750	18+72h	negative	positive	positive	positive	PD	PD
		5038	18h	negative	negative	negative	negative	NA	NA
		5039	18h	negative	negative	negative	negative	NA	NA
		5040	18h	negative	negative	negative	negative	NA	NA
		5041	18h	negative	negative	negative	negative	NA	NA
		5042	18h	negative	negative	negative	negative	NA	NA
		5043	18h	negative	negative	negative	negative	NA	NA
		5044	18h	negative	negative	negative	negative	NA	NA
		5045	18h	negative	negative	negative	negative	NA	NA
		5229	18h	positive	positive	positive	positive	PA	PA
		5229	18+72h	positive	positive	positive	positive	PA	PA
		5230	18h	positive	positive	positive	positive	PA	PA
		5230	18+72h	positive	positive	positive	positive	PA	PA

Table LMS C4.2 Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw products (frozen or fresh)	3007	18h	negative	positive	negative	negative	NA	NA
		3007	18+72h	negative	positive	positive	positive	PD	PD
		3009	18h	negative	positive	positive	positive	PD	PD
		3009	18+72h	negative	positive	positive	positive	PD	PD
		3010	18h	positive	positive	positive	positive	PA	PA
		3010	18+72h	positive	positive	positive	positive	PA	PA
		3011	18h	negative	negative	negative	negative	NA	NA
		3722	18h	negative	negative	negative	negative	NA	NA
		3723	18h	negative	negative	negative	negative	NA	NA
		3724	18h	negative	negative	negative	negative	NA	NA
		3726	18h	negative	negative	negative	negative	NA	NA
		3735	18h	negative	negative	negative	negative	NA	NA
		3736	18h	positive	positive	positive	positive	PA	PA
		3736	18+72h	positive	positive	positive	positive	PA	PA
		4109	18h	negative	negative	negative	negative	NA	NA
		4109	18+72h	negative	negative	negative	negative	NA	NA
		4117	18h	positive	positive	positive	positive	PA	PA
		4117	18+72h	positive	positive	positive	positive	PA	PA
		4118	18h	positive	negative	negative	negative	ND	ND
		4118	18+72h	positive	negative	negative	negative	ND	ND
		4128	18h	positive	positive	positive	positive	PA	PA
		4128	18+72h	positive	positive	positive	positive	PA	PA
		6616	18h	negative	positive	positive	positive	PD	PD
		6616	18+72h	negative	positive	negative	negative	NA	NA
		6617	18h	positive	positive	positive	positive	PA	PA
		6617	18+72h	positive	positive	positive	positive	PA	PA
		6619	18h	positive	positive	positive	positive	PA	PA
		6619	18+72h	positive	positive	positive	positive	PA	PA
		6659	18h	negative	positive	positive	positive	PD	PD
		6659	18+72h	negative	positive	positive	positive	PD	PD
		6660	18h	positive	positive	positive	positive	PA	PA
		6660	18+72h	positive	positive	positive	positive	PA	PA
		6662	18h	positive	positive	positive	positive	PA	PA
		6662	18+72h	positive	positive	positive	positive	PA	PA
		6675	18h	positive	positive	positive	positive	PA	PA
		6675	18+72h	positive	positive	positive	positive	PA	PA
		6676	18h	negative	positive	positive	positive	PD	PD
		6676	18+72h	negative	positive	positive	positive	PD	PD
		6677	18h	positive	negative	negative	negative	ND	ND
		6677	18+72h	positive	negative	negative	negative	ND	ND
		6679	18h	positive	positive	positive	positive	PA	PA
		6679	18+72h	positive	positive	positive	positive	PA	PA
		6680	18h	positive	positive	positive	positive	PA	PA
		6680	18+72h	positive	positive	positive	positive	PA	PA
		6681	18h	positive	negative	negative	negative	ND	ND
		6681	18+72h	positive	negative	negative	negative	ND	ND
		6840	18h	negative	negative	negative	negative	NA	NA
		6841	18h	negative	positive	positive	positive	PD	PD
		6841	18+72h	negative	positive	positive	positive	PD	PD
		6842	18h	negative	negative	negative	negative	NA	NA
		7046	18h	negative	negative	negative	negative	NA	NA

Table LMS C4.2 (continued 1) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Meat based products ready to reheat	3737	18h	negative	positive	positive	positive	PD	PD
		3737	18+72h	negative	positive	positive	positive	PD	PD
		3994	18h	negative	positive	positive	positive	PD	PD
		3994	18+72h	negative	positive	positive	positive	PD	PD
		4114	18h	positive	positive	positive	positive	PA	PA
		4114	18+72h	positive	positive	positive	positive	PA	PA
		4124	18h	negative	positive	positive	positive	PD	PD
		4124	18+72h	negative	positive	positive	positive	PD	PD
		4195	18h	positive	positive	positive	positive	PA	PA
		4195	18+72h	positive	positive	positive	positive	PA	PA
		4196	18h	negative	negative	negative	negative	NA	NA
		4197	18h	negative	negative	negative	negative	NA	NA
		4198	18h	negative	negative	negative	negative	NA	NA
		4199	18h	negative	negative	negative	negative	NA	NA
		4200	18h	positive	negative	negative	negative	ND	ND
		4200	18+72h	positive	negative	negative	negative	ND	ND
		4201	18h	negative	negative	negative	negative	NA	NA
		6661	18h	negative	positive	positive	positive	PD	PD
		6661	18+72h	negative	positive	positive	positive	PD	PD
		6664	18h	negative	negative	negative	negative	NA	NA
		6665	18h	positive	positive	positive	positive	PA	PA
		6665	18+72h	positive	positive	positive	positive	PA	PA
		6666	18h	positive	negative	negative	negative	ND	ND
		6666	18+72h	positive	negative	negative	negative	ND	ND
		6667	18h	positive	negative	negative	negative	ND	ND
		6667	18+72h	positive	negative	negative	negative	ND	ND
		6668	18h	positive	positive	positive	positive	PA	PA
		6668	18+72h	positive	positive	positive	positive	PA	PA
		6669	18h	negative	positive	positive	positive	PD	PD
		6669	18+72h	negative	positive	positive	positive	PD	PD
		7032	18h	negative	negative	negative	negative	NA	NA
		7033	18h	negative	negative	negative	negative	NA	NA
		7034	18h	negative	negative	negative	negative	NA	NA
		7035	18h	negative	negative	negative	negative	NA	NA
		7036	18h	negative	negative	negative	negative	NA	NA
Raw and cooked delicatessen	Raw and cooked delicatessen	3008	18h	negative	negative	negative	negative	NA	NA
		3725	18h	negative	positive	positive	positive	PD	PD
		3725	18+72h	negative	positive	positive	positive	PD	PD
		3727	18h	negative	negative	negative	negative	NA	NA
		3992	18h	negative	negative	negative	negative	NA	NA
		3996	18h	negative	negative	negative	negative	NA	NA
		4113	18h	negative	negative	negative	negative	NA	NA
		4541	18h	negative	positive	positive	positive	PD	PD
		4541	18+72h	negative	positive	positive	positive	PD	PD
		4542	18h	positive	positive	positive	positive	PA	PA
		4542	18+72h	positive	positive	positive	positive	PA	PA
		4544	18+72h	positive	negative	negative	positive	ND	PPND
		4545	18h	negative	negative	negative	negative	NA	NA
		4545	18+72h	negative	positive	positive	positive	PD	PD
		4546	18h	negative	positive	positive	positive	PD	PD
		4546	18+72h	negative	positive	positive	positive	PD	PD

Table LMS C4.2 (continued 2) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat Products	Raw and cooked delicatessen	4679	18h	negative	negative	negative	negative	NA	NA
		4684	18h	negative	negative	negative	negative	NA	NA
		6663	18h	positive	positive	positive	positive	PA	PA
		6663	18+72h	positive	positive	positive	positive	PA	PA
		6670	18h	positive	positive	positive	positive	PA	PA
		6670	18+72h	positive	positive	positive	positive	PA	PA
		6672	18h	negative	negative	negative	negative	NA	NA
		6673	18h	positive	positive	positive	positive	PA	PA
		6673	18+72h	positive	positive	positive	positive	PA	PA
		6678	18h	positive	negative	negative	negative	ND	ND
		6943	18h	positive	positive	positive	positive	PA	PA
		6943	18+72h	positive	positive	positive	positive	PA	PA
		6944	18h	positive	positive	positive	positive	PA	PA
		6944	18+72h	positive	positive	positive	positive	PA	PA
		6945	18h	positive	positive	positive	positive	PA	PA
		6945	18+72h	positive	positive	positive	positive	PA	PA
		6946	18h	positive	positive	positive	positive	PA	PA
		6947	18h	negative	negative	negative	negative	NA	NA
		6948	18h	positive	negative	negative	negative	ND	ND
		6948	18+72h	positive	negative	negative	negative	ND	ND
		6950	18h	negative	positive	positive	positive	PD	PD
		6950	18+72h	negative	positive	positive	positive	PD	PD

Table LMS C4.3 Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy Products	Raw milk cheeses	3016	18h	negative	negative	negative	negative	NA	NA
		3017	18h	negative	negative	negative	negative	NA	NA
		3339	18h	negative	negative	negative	negative	NA	NA
		3340	18h	negative	positive	positive	positive	PD	PD
		3340	18+72h	negative	positive	positive	positive	PD	PD
		3341	18h	negative	positive	positive	positive	PD	PD
		3341	18+72h	negative	positive	positive	positive	PD	PD
		3342	18h	positive	negative	negative	negative	ND	ND
		3342	18+72h	positive	negative	negative	negative	ND	ND
		3343	18h	negative	negative	negative	negative	NA	NA
		3344	18h	negative	negative	negative	negative	NA	NA
		3345	18h	negative	negative	negative	negative	NA	NA
		3990	18h	negative	negative	negative	negative	NA	NA
		3991	18h	negative	negative	negative	negative	NA	NA
		3993	18h	negative	negative	negative	negative	NA	NA
		4526	18h	positive	negative	negative	negative	ND	ND
		4526	18+72h	positive	negative	negative	negative	ND	ND
		4528	18h	positive	negative	negative	negative	ND	ND
		4528	18+72h	positive	negative	negative	positive	ND	PPND
		4529	18h	negative	positive	positive	positive	PD	PD
		4529	18+72h	negative	positive	positive	positive	PD	PD
		4530	18h	negative	negative	negative	negative	NA	NA
		4531	18h	negative	negative	negative	negative	NA	NA
		5945	18h	negative	negative	negative	negative	NA	NA
		5946	18h	negative	negative	negative	negative	NA	NA
		5947	18h	negative	negative	negative	negative	NA	NA
		5948	18h	negative	negative	negative	negative	NA	NA
		5949	18h	negative	negative	negative	negative	NA	NA
		5950	18h	negative	negative	negative	negative	NA	NA
		5951	18h	negative	negative	negative	negative	NA	NA
		5952	18h	negative	negative	negative	negative	NA	NA
		6951	18h	positive	positive	positive	positive	PA	PA
		6951	18+72h	positive	positive	positive	positive	PA	PA
		6952	18h	negative	negative	negative	negative	NA	NA
		6953	18h	negative	positive	positive	positive	PD	PD
		6953	18+72h	negative	positive	positive	positive	PD	PD
		6954	18h	positive	negative	negative	negative	ND	ND
		6954	18+72h	positive	negative	negative	negative	ND	ND
	Other products based on raw milk	3018	18h	negative	negative	negative	negative	NA	NA
		3019	18h	negative	negative	negative	negative	NA	NA
		3346	18h	positive	positive	positive	positive	PA	PA
		3346	18+72h	positive	positive	positive	positive	PA	PA
		3347	18h	positive	positive	positive	positive	PA	PA
		3347	18+72h	positive	positive	positive	positive	PA	PA
		3348	18h	positive	positive	positive	positive	PA	PA
		3348	18+72h	positive	positive	positive	positive	PA	PA
		3745	18h	positive	positive	positive	positive	PA	PA
		3745	18+72h	positive	positive	positive	positive	PA	PA
		3997	18h	negative	negative	negative	negative	NA	NA
		4532	18h	negative	negative	negative	negative	NA	NA
		4533	18h	positive	positive	positive	positive	PA	PA

Table LMS C4.3 (continued) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Milks & Dairy Products	Other products based on raw milk	4533	18+72h	positive	positive	positive	positive	PA	PA
		4534	18h	negative	negative	negative	negative	NA	NA
		4535	18h	positive	positive	positive	positive	PA	PA
		4535	18+72h	positive	positive	negative	negative	ND(FN)	ND(FN)
		4536	18h	positive	positive	positive	positive	PA	PA
		4536	18+72h	positive	positive	positive	positive	PA	PA
		4537	18h	positive	negative	negative	negative	ND	ND
		4537	18+72h	positive	negative	negative	negative	ND	ND
		4538	18h	positive	positive	positive	positive	PA	PA
		4538	18+72h	positive	positive	positive	positive	PA	PA
		4539	18h	positive	positive	positive	positive	PA	PA
		4539	18+72h	positive	positive	positive	positive	PA	PA
		5953	18h	positive	positive	positive	positive	PA	PA
		5953	18+72h	positive	positive	positive	positive	PA	PA
		5954	18h	negative	negative	negative	negative	NA	NA
		5954	18+72h	negative	positive	positive	positive	PD	PD
		5955	18h	positive	positive	positive	positive	PA	PA
		5955	18+72h	positive	positive	positive	positive	PA	PA
		5956	18h	negative	positive	positive	positive	PD	PD
		5956	18+72h	negative	positive	positive	positive	PD	PD
		6836	18h	negative	negative	negative	negative	NA	NA
		6837	18h	negative	negative	negative	negative	NA	NA
		6838	18h	negative	negative	negative	negative	NA	NA
		6839	18h	negative	negative	negative	negative	NA	NA
Milks & Dairy Products	Heat treated products	3006	18h	negative	positive	negative	negative	NA	NA
		3006	18+72h	negative	positive	positive	positive	PD	PD
		3349	18h	negative	negative	negative	negative	NA	NA
		3350	18h	negative	negative	negative	negative	NA	NA
		3351	18h	negative	negative	negative	negative	NA	NA
		4306	18h	positive	positive	positive	positive	PA	PA
		4306	18+72h	positive	positive	positive	positive	PA	PA
		4307	18h	positive	positive	positive	positive	PA	PA
		4307	18+72h	positive	positive	positive	positive	PA	PA
		4308	18h	positive	positive	positive	positive	PA	PA
		4308	18+72h	positive	positive	positive	positive	PA	PA
		4309	18h	negative	negative	negative	positive	NA	PPNA
		4310	18h	negative	negative	negative	negative	NA	NA
		4311	18h	negative	negative	negative	negative	NA	NA
		4312	18h	negative	negative	negative	negative	NA	NA
		4328	18h	negative	negative	negative	negative	NA	NA
		4329	18h	negative	negative	negative	negative	NA	NA
		4330	18h	negative	negative	negative	negative	NA	NA
		4330	18+72h	negative	positive	positive	positive	PD	PD
		4331	18h	negative	negative	negative	negative	NA	NA
		4332	18h	negative	negative	negative	negative	NA	NA
		5958	18h	positive	positive	positive	positive	PA	PA
		5958	18+72h	positive	positive	positive	positive	PA	PA
		5959	18h	positive	positive	positive	positive	PA	PA
		5959	18+72h	positive	positive	positive	positive	PA	PA
		5960	18h	negative	positive	positive	positive	PD	PD
		5960	18+72h	negative	positive	positive	positive	PD	PD
		5961	18h	negative	positive	positive	positive	PD	PD
		5961	18+72h	negative	positive	positive	positive	PD	PD
		5962	18h	positive	positive	positive	positive	PA	PA
		5962	18+72h	positive	positive	positive	positive	PA	PA
		6671	18h	negative	negative	negative	negative	NA	NA
		6674	18h	positive	positive	positive	positive	PA	PA
		6674	18+72h	positive	positive	positive	positive	PA	PA

Table LMS C4.4 Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Raw products (fresh and frozen)	3003	18h	negative	positive	positive	positive	PD	PD
		3003	18+72h	negative	positive	positive	positive	PD	PD
		3004	18h	negative	negative	negative	negative	NA	NA
		3005	18h	negative	negative	negative	negative	NA	NA
		3734	18h	positive	negative	negative	negative	ND	ND
		3734	18+72h	positive	negative	negative	negative	ND	ND
		3742	18h	negative	negative	negative	negative	NA	NA
		3743	18h	positive	negative	negative	negative	ND	ND
		3743	18+72h	positive	negative	negative	negative	ND	ND
		3744	18h	negative	negative	negative	negative	NA	NA
		3979	18h	negative	negative	negative	negative	NA	NA
		4296	18h	negative	negative	negative	negative	NA	NA
		4298	18h	negative	negative	negative	negative	NA	NA
		4300	18h	negative	negative	negative	negative	NA	NA
		4302	18h	positive	negative	negative	negative	ND	ND
		4302	18+72h	positive	negative	negative	negative	ND	ND
		4305	18h	positive	positive	positive	positive	PA	PA
		4305	18+72h	positive	positive	positive	positive	PA	PA
		4669	18h	negative	negative	negative	negative	NA	NA
		4672	18h	negative	negative	negative	negative	NA	NA
		4674	18h	negative	negative	negative	negative	NA	NA
		4674	18+72h	negative	negative	negative	negative	NA	NA
		4676	18h	negative	positive	positive	positive	PD	PD
		4676	18+72h	negative	positive	positive	positive	PD	PD
		4677	18h	negative	negative	negative	negative	NA	NA
		5788	18h	negative	negative	negative	negative	NA	NA
		5795	18h	negative	negative	negative	negative	NA	NA
		5797	18h	negative	positive	positive	positive	PD	PD
		5797	18+72h	negative	positive	positive	positive	PD	PD
		5799	18h	negative	negative	negative	negative	NA	NA
		6607	18h	negative	positive	positive	positive	PD	PD
		6607	18+72h	negative	positive	negative	negative	NA	NA
		6608	18h	negative	negative	negative	negative	NA	NA
		6610	18h	negative	negative	negative	negative	NA	NA
		6611	18h	positive	positive	positive	positive	PA	PA
		6611	18+72h	positive	positive	positive	positive	PA	PA
		6614	18h	positive	negative	negative	negative	ND	ND
		6614	18+72h	positive	positive	positive	positive	PA	PA
		6713	18h	positive	positive	positive	positive	PA	PA
		6713	18+72h	positive	positive	positive	positive	PA	PA
		6714	18h	negative	negative	negative	negative	NA	NA
		6715	18h	negative	negative	negative	negative	NA	NA
		6716	18h	positive	negative	negative	negative	ND	ND
		6716	18+72h	positive	negative	negative	negative	ND	ND
		6717	18h	negative	negative	negative	negative	NA	NA
	Pre-cooked vegetables, vegetables under modified atmosphere	3001	18h	negative	negative	negative	negative	NA	NA
		3002	18h	negative	negative	negative	negative	NA	NA
		3733	18h	negative	negative	negative	negative	NA	NA
		3740	18h	negative	negative	negative	negative	NA	NA
		3741	18h	negative	positive	positive	positive	PD	PD
		3741	18+72h	negative	positive	positive	positive	PD	PD

Table LMS C4.4 (continued 1) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	Pre-cooked vegetables, vegetables under modified atmosphere	4119	18h	negative	negative	negative	negative	NA	NA
		4123	18h	negative	negative	negative	negative	NA	NA
		4287	18h	negative	negative	negative	negative	NA	NA
		4297	18h	positive	positive	positive	positive	PA	PA
		4297	18+72h	positive	positive	positive	positive	PA	PA
		4299	18h	positive	negative	negative	negative	ND	ND
		4299	18+72h	positive	negative	negative	negative	ND	ND
		4301	18h	negative	positive	positive	positive	PD	PD
		4301	18+72h	negative	positive	positive	positive	PD	PD
		4304	18h	negative	negative	negative	negative	NA	NA
		4673	18h	negative	negative	negative	negative	NA	NA
		4675	18h	negative	negative	negative	negative	NA	NA
		4678	18h	negative	negative	negative	negative	NA	NA
		4680	18h	positive	negative	negative	negative	ND	ND
		4680	18+72h	positive	negative	negative	negative	ND	ND
		4681	18h	negative	negative	negative	negative	NA	NA
		4682	18h	negative	negative	negative	negative	NA	NA
		4683	18h	negative	negative	negative	negative	NA	NA
		5789	18h	positive	positive	positive	positive	PA	PA
		5789	18+72h	positive	positive	positive	positive	PA	PA
		5793	18h	positive	positive	positive	positive	PA	PA
		5793	18+72h	positive	positive	positive	positive	PA	PA
		5794	18h	negative	negative	negative	negative	NA	NA
		5796	18h	negative	negative	negative	negative	NA	NA
		5798	18h	negative	positive	positive	positive	PD	PD
		5798	18+72h	negative	positive	positive	positive	PD	PD
		6609	18h	negative	negative	negative	negative	NA	NA
		6612	18h	negative	negative	negative	negative	NA	NA
		6613	18h	negative	negative	negative	negative	NA	NA
		6615	18h	negative	positive	positive	positive	PD	PD
		6615	18+72h	negative	positive	negative	negative	NA	NA
		6718	18h	negative	negative	negative	negative	NA	NA
		6719	18h	negative	positive	positive	positive	PD	PD
		6719	18+72h	negative	positive	positive	positive	PD	PD
		6720	18h	negative	negative	negative	negative	NA	NA
		6721	18h	positive	positive	positive	positive	PA	PA
		6721	18+72h	positive	positive	positive	positive	PA	PA
		6722	18h	positive	negative	negative	negative	ND	ND
		6722	18+72h	positive	negative	negative	negative	ND	ND
		6723	18h	negative	negative	negative	negative	NA	NA
		6725	18h	negative	negative	negative	negative	NA	NA
	RTE	3746	18h	negative	negative	negative	negative	NA	NA
		4202	18h	negative	positive	positive	positive	PD	PD
		4202	18+72h	negative	positive	positive	positive	PD	PD
		4203	18h	negative	negative	negative	negative	NA	NA
		4204	18h	positive	positive	positive	positive	PA	PA
		4204	18+72h	positive	positive	positive	positive	PA	PA
		4205	18h	negative	negative	negative	negative	NA	NA
		4206	18h	positive	positive	positive	positive	PA	PA
		4206	18+72h	positive	positive	positive	positive	PA	PA
		4207	18h	negative	negative	negative	negative	NA	NA

Table LMS C4.4 (continued 2) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Vegetables	RTE	4208	18h	negative	negative	negative	negative	NA	NA
		4303	18h	negative	negative	negative	negative	NA	NA
		4739	18h	negative	positive	positive	positive	PD	PD
		4739	18+72h	negative	positive	positive	positive	PD	PD
		4740	18h	positive	negative	negative	negative	ND	ND
		4740	18+72h	positive	negative	negative	negative	ND	ND
		4741	18h	positive	positive	positive	positive	PA	PA
		4741	18+72h	positive	positive	positive	positive	PA	PA
		4742	18h	positive	negative	negative	negative	ND	ND
		4742	18+72h	positive	negative	negative	negative	ND	ND
		4743	18h	positive	positive	positive	positive	PA	PA
		4743	18+72h	positive	positive	positive	positive	PA	PA
		4744	18h	positive	negative	negative	negative	ND	ND
		4744	18+72h	positive	negative	negative	negative	ND	ND
		4745	18h	negative	positive	positive	positive	PD	PD
		4745	18+72h	negative	positive	positive	positive	PD	PD
		6822	18h	negative	negative	negative	negative	NA	NA
		6823	18h	negative	negative	negative	negative	NA	NA
		6824	18h	negative	negative	negative	negative	NA	NA
		6825	18h	negative	negative	negative	negative	NA	NA

Table LMS C4.5 Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Raw products (fresh and frozen)	2996	18h	negative	negative	negative	negative	NA	NA
		2999	18h	negative	negative	negative	negative	NA	NA
		3000	18h	positive	negative	negative	negative	ND	ND
		3000	18+72h	positive	negative	negative	negative	ND	ND
		3729	18h	negative	negative	negative	negative	NA	NA
		3730	18h	negative	negative	negative	negative	NA	NA
		3981	18h	negative	negative	negative	negative	NA	NA
		3982	18h	positive	positive	positive	positive	PA	PA
		3982	18+72h	positive	positive	positive	positive	PA	PA
		3984	18h	negative	negative	negative	negative	NA	NA
		4110	18h	negative	positive	positive	positive	PD	PD
		4110	18+72h	negative	positive	positive	positive	PD	PD
		4130	18h	positive	negative	negative	negative	ND	ND
		4131	18h	positive	positive	positive	positive	PA	PA
		4131	18+72h	positive	positive	positive	positive	PA	PA
		4685	18h	negative	positive	positive	positive	PD	PD
		4685	18+72h	negative	positive	positive	positive	PD	PD
		4967	18h	negative	negative	negative	negative	NA	NA
		4968	18h	negative	negative	negative	negative	NA	NA
		4969	18h	negative	positive	positive	positive	PD	PD
		4969	18+72h	negative	positive	positive	positive	PD	PD
		4970	18h	negative	negative	negative	negative	NA	NA
		4971	18h	negative	negative	negative	negative	NA	NA
		4972	18h	negative	negative	negative	negative	NA	NA
		4973	18h	positive	positive	positive	positive	PA	PA
		4973	18+72h	positive	positive	positive	positive	PA	PA
		5224	18h	positive	positive	positive	positive	PA	PA
		5224	18+72h	positive	positive	positive	positive	PA	PA
		5225	18h	positive	positive	positive	positive	PA	PA
		5225	18+72h	positive	positive	positive	positive	PA	PA
		5226	18h	positive	positive	positive	positive	PA	PA
		5226	18+72h	positive	positive	positive	positive	PA	PA
		5227	18h	positive	positive	positive	positive	PA	PA
		5227	18+72h	positive	positive	positive	positive	PA	PA
		5228	18h	positive	positive	positive	positive	PA	PA
		5228	18+72h	positive	positive	positive	positive	PA	PA
		5790	18h	negative	negative	negative	negative	NA	NA
		5790	18+72h	negative	positive	positive	positive	PD	PD
		5791	18h	positive	positive	positive	positive	PA	PA
		5791	18+72h	positive	positive	positive	positive	PA	PA
		5801	18h	positive	negative	negative	negative	ND	ND
		5801	18+72h	positive	negative	negative	negative	ND	ND
		5802	18h	negative	negative	negative	negative	NA	NA
		5964	18h	negative	positive	positive	positive	PD	PD
		5964	18+72h	negative	positive	positive	positive	PD	PD
		5965	18h	positive	positive	positive	positive	PA	PA
		5965	18+72h	positive	positive	positive	positive	PA	PA
		6618	18h	positive	positive	positive	positive	PA	PA
		6618	18+72h	positive	positive	positive	positive	PA	PA
	Cured & smoked	2998	18h	positive	positive	positive	positive	PA	PA
		2998	18+72h	positive	positive	positive	positive	PA	PA

Table LMS C4.5 (continued 1) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	Cured & smoked	3728	18h	positive	negative	negative	negative	ND	ND
		3728	18+72h	positive	negative	negative	negative	ND	ND
		3998	18h	positive	positive	positive	positive	PA	PA
		3998	18+72h	positive	positive	positive	positive	PA	PA
		3999	18h	negative	negative	negative	negative	NA	NA
		4000	18h	negative	positive	positive	positive	PD	PD
		4000	18+72h	negative	positive	positive	positive	PD	PD
		4001	18h	positive	positive	positive	positive	PA	PA
		4001	18+72h	positive	positive	positive	positive	PA	PA
		4002	18h	negative	negative	negative	negative	NA	NA
		4670	18h	negative	negative	negative	negative	NA	NA
		4960	18h	negative	negative	negative	negative	NA	NA
		4961	18h	negative	negative	negative	negative	NA	NA
		4962	18h	negative	negative	negative	negative	NA	NA
		4963	18+72h	positive	negative	negative	negative	ND	ND
		4964	18h	positive	negative	negative	negative	ND	ND
		4964	18+72h	positive	negative	negative	negative	ND	ND
		4965	18h	negative	positive	positive	positive	PD	PD
		4965	18+72h	negative	positive	positive	positive	PD	PD
		4966	18h	positive	negative	negative	negative	ND	ND
		4966	18+72h	positive	negative	negative	negative	ND	ND
		5241	18h	positive	positive	positive	positive	PA	PA
		5241	18+72h	positive	positive	positive	positive	PA	PA
		5242	18h	positive	positive	positive	positive	PA	PA
		5242	18+72h	positive	positive	positive	positive	PA	PA
		5243	18h	positive	positive	positive	positive	PA	PA
		5243	18+72h	positive	positive	positive	positive	PA	PA
		5966	18h	positive	positive	positive	positive	PA	PA
		5966	18+72h	positive	positive	positive	positive	PA	PA
		5967	18h	positive	positive	positive	positive	PA	PA
		5967	18+72h	positive	positive	positive	positive	PA	PA
		6826	18h	negative	negative	negative	negative	NA	NA
		6827	18h	negative	negative	negative	negative	NA	NA
		6828	18h	negative	negative	negative	negative	NA	NA
		6829	18h	negative	negative	negative	negative	NA	NA
		6830	18h	negative	negative	negative	negative	NA	NA
		6830	18+72h	negative	negative	negative	negative	NA	NA
	RTE, Ready to reheat	2997	18h	negative	negative	negative	negative	NA	NA
		3731	18h	negative	negative	negative	negative	NA	NA
		3732	18h	negative	positive	positive	positive	PD	PD
		3732	18+72h	negative	positive	positive	positive	PD	PD
		3738	18h	negative	negative	negative	negative	NA	NA
		3988	18h	positive	negative	negative	negative	ND	ND
		3988	18+72h	positive	negative	negative	negative	ND	ND
		4122	18h	negative	negative	negative	negative	NA	NA
		4126	18h	positive	positive	positive	positive	PA	PA
		4126	18+72h	positive	positive	positive	positive	PA	PA
		4129	18h	negative	negative	negative	negative	NA	NA
		4290	18h	negative	negative	negative	negative	NA	NA
		4291	18h	positive	positive	positive	positive	PA	PA
		4291	18+72h	positive	positive	positive	positive	PA	PA

Table LMS C4.5 (continued 2) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Seafood and fishery products	RTE, Ready to reheat	4292	18h	negative	negative	negative	negative	NA	NA
		4295	18h	positive	positive	positive	positive	PA	PA
		4295	18+72h	positive	positive	positive	positive	PA	PA
		4313	18h	positive	positive	positive	positive	PA	PA
		4313	18+72h	positive	positive	positive	positive	PA	PA
		4314	18h	positive	positive	positive	positive	PA	PA
		4314	18+72h	positive	positive	positive	positive	PA	PA
		4315	18h	negative	positive	positive	positive	PD	PD
		4315	18+72h	negative	positive	positive	positive	PD	PD
		4316	18h	positive	positive	positive	positive	PA	PA
		4316	18+72h	positive	positive	positive	positive	PA	PA
		4317	18h	negative	negative	negative	negative	NA	NA
		4318	18h	negative	negative	negative	negative	NA	NA
		4319	18h	negative	negative	negative	negative	NA	NA
		5238	18h	positive	positive	positive	positive	PA	PA
		5238	18+72h	positive	positive	positive	positive	PA	PA
		5239	18h	positive	negative	negative	negative	ND	ND
		5239	18+72h	positive	negative	negative	negative	ND	ND
		5240	18h	positive	positive	positive	positive	PA	PA
		5240	18+72h	positive	positive	positive	positive	PA	PA
		5792	18h	positive	positive	positive	positive	PA	PA
		5792	18+72h	positive	positive	positive	positive	PA	PA
		5800	18h	positive	positive	positive	positive	PA	PA
		5800	18+72h	positive	positive	positive	positive	PA	PA
		5803	18h	positive	positive	positive	positive	PA	PA
		5803	18+72h	positive	positive	positive	positive	PA	PA
		5804	18h	negative	negative	negative	negative	NA	NA
		5968	18h	positive	positive	positive	positive	PA	PA
		5968	18+72h	positive	positive	positive	positive	PA	PA
		5969	18h	negative	positive	positive	positive	PD	PD
		5969	18+72h	negative	positive	positive	positive	PD	PD
		5970	18h	positive	positive	positive	positive	PA	PA
		5970	18+72h	positive	positive	positive	positive	PA	PA
		5971	18h	positive	positive	positive	positive	PA	PA
		5971	18+72h	positive	positive	positive	positive	PA	PA

Table LMS C4.6 Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Dusts and Residues	3352	18h	negative	negative	negative	negative	NA	NA
		3353	18h	negative	negative	negative	negative	NA	NA
		4320	18h	negative	negative	negative	negative	NA	NA
		4321	18h	positive	positive	positive	positive	PA	PA
		4321	18+72h	positive	positive	positive	positive	PA	PA
		4322	18h	negative	negative	negative	negative	NA	NA
		4323	18h	negative	negative	negative	negative	NA	NA
		4324	18h	negative	negative	negative	negative	NA	NA
		4325	18h	positive	positive	positive	positive	PA	PA
		4325	18+72h	positive	positive	positive	positive	PA	PA
		4326	18h	negative	negative	negative	negative	NA	NA
		4327	18h	negative	negative	negative	negative	NA	NA
		5437	18h	negative	negative	negative	negative	NA	NA
		5438	18h	negative	negative	negative	negative	NA	NA
		5439	18h	positive	positive	positive	positive	PA	PA
		5439	18+72h	positive	positive	positive	positive	PA	PA
		5440	18h	negative	negative	negative	negative	NA	NA
		5441	18h	negative	negative	negative	negative	NA	NA
		5447	18h	negative	positive	positive	positive	PD	PD
		5447	18+72h	negative	positive	positive	positive	PD	PD
		6756	18h	positive	negative	negative	negative	ND	ND
		6756	18+72h	positive	negative	negative	negative	ND	ND
		6757	18h	negative	positive	positive	positive	PD	PD
		6757	18+72h	negative	positive	positive	positive	PD	PD
		6759	18h	positive	positive	positive	positive	PA	PA
		6759	18+72h	positive	positive	positive	positive	PA	PA
		6760	18h	negative	negative	negative	negative	NA	NA
		6761	18h	positive	positive	positive	positive	PA	PA
		6761	18+72h	positive	positive	positive	positive	PA	PA
		6930	18h	negative	negative	negative	negative	NA	NA
		6931	18h	negative	negative	negative	negative	NA	NA
		6931	18+72h	negative	negative	negative	negative	NA	NA
		6932	18h	negative	negative	negative	negative	NA	NA
		6933	18h	negative	positive	positive	positive	PD	PD
		6933	18+72h	negative	positive	positive	positive	PD	PD
		6937	18h	positive	positive	positive	positive	PA	PA
		6937	18+72h	positive	positive	positive	positive	PA	PA
	Cleaning and Process Waters	3354	18h	negative	positive	positive	positive	PD	PD
		3354	18+72h	negative	positive	positive	positive	PD	PD
		3355	18h	positive	positive	negative	positive	ND(FN)	PA
		3355	18+72h	positive	positive	positive	positive	PA	PA
		3356	18h	negative	negative	negative	negative	NA	NA
		4686	18h	negative	negative	negative	negative	NA	NA
		5431	18h	positive	positive	positive	positive	PA	PA
		5431	18+72h	positive	positive	positive	positive	PA	PA
		5432	18h	negative	negative	negative	negative	NA	NA
		5433	18h	negative	negative	negative	negative	NA	NA
		5434	18h	negative	negative	negative	negative	NA	NA
		5435	18h	negative	negative	negative	negative	NA	NA
		5436	18h	negative	negative	negative	negative	NA	NA
		6682	18h	negative	negative	negative	negative	NA	NA

Table LMS C4.6 (continued 1) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Cleaning and Process Waters	6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	negative	negative	negative	NA	NA
		6764	18h	positive	negative	negative	negative	ND	ND
		6766	18h	positive	positive	positive	positive	PA	PA
		6766	18+72h	positive	positive	positive	positive	PA	PA
		6768	18h	positive	positive	positive	positive	PA	PA
		6768	18+72h	positive	positive	positive	positive	PA	PA
		6770	18h	positive	positive	positive	positive	PA	PA
		6770	18+72h	positive	positive	positive	positive	PA	PA
		6772	18h	negative	negative	negative	negative	NA	NA
		6774	18h	positive	positive	positive	positive	PA	PA
		6774	18+72h	positive	positive	positive	positive	PA	PA
		6776	18h	positive	positive	positive	positive	PA	PA
		6776	18+72h	positive	positive	positive	positive	PA	PA
		6934	18h	negative	negative	negative	negative	NA	NA
		6935	18h	positive	positive	positive	positive	PA	PA
		6935	18+72h	positive	positive	positive	positive	PA	PA
		6936	18h	positive	positive	positive	positive	PA	PA
		6936	18+72h	positive	positive	positive	positive	PA	PA
Environmental Samples	Surface samples	3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	negative	negative	negative	negative	NA	NA
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	negative	negative	negative	negative	NA	NA
		3361	18h	negative	negative	negative	negative	NA	NA
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	negative	negative	negative	negative	NA	NA
		5443	18h	negative	negative	negative	negative	NA	NA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	negative	negative	negative	negative	NA	NA
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	negative	negative	negative	negative	NA	NA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA
		6778	18h	positive	positive	positive	positive	PA	PA
		6778	18+72h	positive	positive	positive	positive	PA	PA
		6779	18h	negative	negative	negative	negative	NA	NA
		6780	18h	negative	negative	negative	negative	NA	NA
		6781	18h	negative	positive	positive	positive	PD	PD
		6781	18+72h	negative	positive	positive	positive	PD	PD
		6782	18h	negative	negative	negative	negative	NA	NA
		6783	18h	positive	positive	positive	positive	PA	PA
		6783	18+72h	positive	positive	positive	positive	PA	PA
		6784	18h	positive	positive	positive	positive	PA	PA

Table LMS C4.6 (continued) Sensitivity data BACGene Listeria monocytogenes (Listeria monocytogenes target) Bio-Rad CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Environmental Samples	Cleaning and Process Waters	6683	18h	negative	negative	negative	negative	NA	NA
		6684	18h	negative	negative	negative	negative	NA	NA
		6685	18h	negative	negative	negative	negative	NA	NA
		6764	18h	positive	negative	negative	negative	ND	ND
		6766	18h	positive	positive	positive	positive	PA	PA
		6766	18+72h	positive	positive	positive	positive	PA	PA
		6768	18h	positive	positive	positive	positive	PA	PA
		6768	18+72h	positive	positive	positive	positive	PA	PA
		6770	18h	positive	positive	positive	positive	PA	PA
		6770	18+72h	positive	positive	positive	positive	PA	PA
		6772	18h	negative	negative	negative	negative	NA	NA
		6774	18h	positive	positive	positive	positive	PA	PA
		6774	18+72h	positive	positive	positive	positive	PA	PA
		6776	18h	positive	positive	positive	positive	PA	PA
		6776	18+72h	positive	positive	positive	positive	PA	PA
		6934	18h	negative	negative	negative	negative	NA	NA
		6935	18h	positive	positive	positive	positive	PA	PA
		6935	18+72h	positive	positive	positive	positive	PA	PA
		6936	18h	positive	positive	positive	positive	PA	PA
		6936	18+72h	positive	positive	positive	positive	PA	PA
Environmental Samples	Surface samples	3357	18h	positive	positive	positive	positive	PA	PA
		3357	18+72h	positive	positive	positive	positive	PA	PA
		3358	18h	negative	negative	negative	negative	NA	NA
		3359	18h	positive	positive	positive	positive	PA	PA
		3359	18+72h	positive	positive	positive	positive	PA	PA
		3360	18h	negative	negative	negative	negative	NA	NA
		3361	18h	negative	negative	negative	negative	NA	NA
		3362	18h	negative	negative	negative	negative	NA	NA
		5442	18h	negative	negative	negative	negative	NA	NA
		5443	18h	negative	negative	negative	negative	NA	NA
		5444	18h	negative	negative	negative	negative	NA	NA
		5445	18h	negative	negative	negative	negative	NA	NA
		5446	18h	negative	negative	negative	negative	NA	NA
		5448	18h	negative	negative	negative	negative	NA	NA
		5449	18h	negative	negative	negative	negative	NA	NA
		5450	18h	negative	negative	negative	negative	NA	NA
		5451	18h	negative	negative	negative	negative	NA	NA
		5452	18h	negative	positive	positive	positive	PD	PD
		5452	18+72h	negative	positive	positive	positive	PD	PD
		6686	18h	negative	negative	negative	negative	NA	NA
		6687	18h	negative	negative	negative	negative	NA	NA
		6778	18h	positive	positive	positive	positive	PA	PA
		6778	18+72h	positive	positive	positive	positive	PA	PA
		6779	18h	negative	negative	negative	negative	NA	NA
		6780	18h	negative	negative	negative	negative	NA	NA
		6781	18h	negative	positive	positive	positive	PD	PD
		6781	18+72h	negative	positive	positive	positive	PD	PD
		6782	18h	negative	negative	negative	negative	NA	NA
		6783	18h	positive	positive	positive	positive	PA	PA
		6783	18+72h	positive	positive	positive	positive	PA	PA
		6784	18h	positive	positive	positive	positive	PA	PA
		6784	18+72h	positive	positive	positive	positive	PA	PA
		6938	18h	positive	positive	positive	positive	PA	PA
		6938	18+72h	positive	positive	positive	positive	PA	PA
		6939	18h	positive	positive	positive	positive	PA	PA
		6939	18+72h	positive	positive	positive	positive	PA	PA
		6940	18h	positive	positive	positive	positive	PA	PA
		6940	18+72h	positive	positive	positive	positive	PA	PA
		6941	18h	negative	negative	negative	negative	NA	NA
		6942	18h	negative	negative	negative	negative	NA	NA

Table R1.1 RLOD data BACGene Listeria spp & BACGene Listeria Multiplex (Listeria spp target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria spp.				BACGene Listeria Multiplex (L. spp. target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Cantaloupe	none	5330	negative	negative	negative	negative	negative	negative	negative	na	negative	na
		5331	negative	negative	negative	negative	negative	negative	negative	na	negative	na
	low	5332	negative	negative	negative	negative	negative	negative	negative	na	negative	na
		5333	negative	negative	negative	negative	negative	negative	negative	na	negative	na
		5334	negative	negative	negative	negative	negative	negative	negative	na	negative	na
		5860	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5861	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5862	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5863	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5864	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5865	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5866	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5867	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5868	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5869	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5870	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5871	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5872	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5873	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5874	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5875	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5876	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5877	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5878	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5879	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
	high	5880	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5881	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5882	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5883	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5884	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R1.2 RLOD data BACGene Listeria spp & BACGene Listeria Multiplex (Listeria spp target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria spp.				BACGene Listeria Multiplex (L. spp. target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Deli-salad	none	5381	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5382	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5383	negative	negative	negative	negative	negative	negative	negative	negative	negative	na
		5384	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5385	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
	low	5386	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5387	positive	negative	negative	na	negative	negative	negative	negative	negative	negative
		5388	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5389	positive	positive	positive	positive	positive	positive	positive	positive	positive	na
		5390	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5391	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5392	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5393	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5394	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5395	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5396	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5397	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5398	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5399	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	5400	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5401	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5402	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5403	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5404	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5405	positive	positive	positive	positive	positive	positive	positive	positive	positive	na
		5406	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5407	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5408	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5409	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5410	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R1.3 RLOD data BACGene Listeria spp & BACGene Listeria Multiplex (Listeria spp target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria spp.				BACGene Listeria Multiplex (L. spp. target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Frankfurters	none	5497	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5498	negative	negative	negative	negative	negative	negative	negative	na	negative	na
	low	5499	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5500	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5501	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5905	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5906	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5907	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5908	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5909	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5910	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5911	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5912	negative	negative	negative	positive	negative	positive	negative	negative	negative	negative
		5913	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5914	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5915	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5916	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5917	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5918	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5919	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5920	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5921	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5922	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5923	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5924	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	5522	negative	positive	positive	positive	positive	positive	positive	na	positive	positive
		5523	positive	positive	positive	positive	positive	positive	positive	na	positive	positive
		5524	positive	positive	positive	positive	positive	positive	positive	na	positive	positive
		5525	positive	negative	negative	negative	negative	negative	negative	na	negative	negative
		5526	positive	positive	positive	positive	positive	positive	positive	na	positive	positive

Table R1.4 RLOD data BACGene Listeria spp & BACGene Listeria Multiplex (Listeria spp target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria spp.				BACGene Listeria Multiplex (L. spp. target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Fresh cheese	none	6144	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6145	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		6146	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6147	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6148	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
	low	6149	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6150	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6151	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6152	negative	negative	negative	negative	negative	na	negative	negative	negative	negative
		6153	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6154	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6155	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6156	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6157	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6158	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		6159	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6160	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6161	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	6162	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6163	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6164	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6165	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6166	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6167	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6168	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6169	positive	positive	positive	positive	positive	positive	positive	positive	positive	negative
		6170	positive	positive	positive	positive	positive	positive	positive	positive	positive	negative
		6171	positive	positive	positive	positive	positive	positive	positive	positive	positive	negative
		6172	positive	positive	positive	positive	positive	positive	positive	positive	positive	negative
		6173	positive	positive	positive	positive	positive	positive	positive	positive	positive	negative

Table R1.5 RLOD data BACGene Listeria spp & BACGene Listeria Multiplex (Listeria spp target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria spp.				BACGene Listeria Multiplex (L. spp. target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Frozen shrimps	none	5940	negative	negative	negative	na	negative	na	negative	negative	negative	positive
		5941	negative	negative	negative	na	negative	na	negative	negative	negative	positive
		5942	negative	negative	negative	na	negative	na	negative	negative	negative	positive
		5943	negative	negative	negative	na	negative	na	negative	negative	negative	positive
		5944	negative	negative	negative	na	negative	na	negative	negative	negative	positive
	low	6306	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6307	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6308	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6309	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6310	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6311	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6312	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6313	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6314	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6315	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6316	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6317	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6318	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6319	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6320	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6321	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6322	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6323	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6324	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6325	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	6326	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6327	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6328	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6329	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6330	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R1.6 RLOD data BACGene Listeria spp & BACGene Listeria Multiplex (Listeria spp target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria spp.				BACGene Listeria Multiplex (L. spp. target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Process water	none	6907	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6908	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6909	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6910	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6911	negative	negative	negative	na	negative	na	negative	na	negative	negative
	low	6976	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6977	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6978	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6979	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6980	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6981	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6982	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6983	positive	positive	positive	positive	Q	positive	positive	positive	positive	positive
		6984	positive	negative	negative	negative	negative	na	negative	negative	negative	negative
		6985	negative	negative	negative	negative	negative	na	negative	negative	negative	negative
	high	6986	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6987	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6988	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6989	positive	negative	negative	positive	negative	na	negative	negative	negative	negative
		6990	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6991	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6992	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6993	negative	negative	negative	negative	negative	na	negative	negative	negative	na
		6994	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6995	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6996	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6997	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6998	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6999	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		7000	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R2.1 RLOD data BACGene Listeria monocytogenes & BACGene Listeria Multiplex (L. monocytogenes target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria monocytogenes				BACGene Listeria Multiplex (L. mono target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Cantaloupe	none	5972	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5973	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5974	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5975	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5976	negative	negative	negative	negative	negative	negative	negative	na	negative	na
	low	5977	positive	positive	positive	na	positive	positive	positive	positive	positive	positive
		5978	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5979	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5980	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5981	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5982	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5983	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5984	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5985	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5986	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5987	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5988	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5989	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5990	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5991	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5992	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5993	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5994	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5995	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5996	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
	high	5997	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5998	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5999	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6000	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6001	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R2.2 RLOD data BACGene Listeria monocytogenes & BACGene Listeria Multiplex (L. monocytogenes target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria monocytogenes				BACGene Listeria Multiplex (L. mono target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Deli-salad	none	5381	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5382	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5383	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5384	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5385	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
	low	5386	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5387	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5388	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5389	positive	positive	positive	positive	positive	positive	positive	positive	positive	na
		5390	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5391	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5392	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5393	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5394	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5395	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5396	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5397	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5398	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5399	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	5400	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5401	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5402	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5403	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5404	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5405	positive	positive	positive	positive	positive	positive	positive	positive	positive	na
		5406	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5407	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5408	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5409	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5410	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R2.3 RLOD data BACGene Listeria monocytogenes & BACGene Listeria Multiplex (L. monocytogenes target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria monocytogenes				BACGene Listeria Multiplex (L. mono target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Frankfurters	none	5497	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5498	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5499	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5500	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
		5501	negative	negative	negative	negative	negative	negative	negative	na	negative	negative
	low	5905	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5906	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5907	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5908	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5909	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5910	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5911	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5912	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5913	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5914	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5915	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5916	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5917	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5918	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	5919	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5920	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5921	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5922	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5923	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5924	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5522	negative	positive	positive	positive	positive	positive	positive	na	positive	positive
		5523	positive	positive	positive	positive	positive	positive	positive	na	positive	positive
		5524	positive	positive	positive	positive	positive	positive	positive	na	positive	positive
		5525	positive	negative	negative	negative	negative	negative	negative	na	negative	negative
		5526	positive	positive	positive	positive	positive	positive	positive	na	positive	positive

Table R2.4 RLOD data BACGene Listeria monocytogenes & BACGene Listeria Multiplex (L. monocytogenes target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria monocytogenes				BACGene Listeria Multiplex (L. mono target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Process water	none	6907	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6908	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6909	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6910	negative	negative	negative	na	negative	na	negative	na	negative	negative
		6911	negative	negative	negative	na	negative	na	negative	na	negative	negative
	low	6976	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6977	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6978	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6979	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6980	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6981	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6982	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6983	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6984	positive	negative	negative	na	negative	negative	negative	negative	negative	negative
		6985	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6986	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	6987	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6988	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		6989	positive	negative	negative	negative	na	negative	negative	negative	negative	negative
		6990	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6991	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6992	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6993	negative	positive	negative	negative	negative	negative	negative	negative	negative	na
		6994	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6995	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6996	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6997	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6998	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		6999	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		7000	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R2.5 RLOD data BACGene Listeria monocytogenes & BACGene Listeria Multiplex (L. monocytogenes target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria monocytogenes				BACGene Listeria Multiplex (L. mono target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Raw milk	none	5703	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5704	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
	low	5705	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5706	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5707	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5708	negative	positive	positive	positive	negative	na	negative	negative	positive	positive
		5709	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5710	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5711	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5712	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5713	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5714	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5715	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5716	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5717	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5718	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5719	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5720	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5721	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5722	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5723	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5724	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5725	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5726	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5727	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
	high	5728	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5729	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5730	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5731	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5732	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table R2.6 RLOD data BACGene Listeria monocytogenes & BACGene Listeria Multiplex (L. monocytogenes target) on AriaMX and Bio-Rad CFX96

Matrix	spiking level	Sample No.	result ISO	result confirmation	BACGene Listeria monocytogenes				BACGene Listeria Multiplex (L. mono target)			
					AriaMX		CFX96		AriaMx		CFX96	
					initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE	initial PCR result	PCR result PURE
Smoked salmon	none	5653	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5654	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5655	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5656	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5657	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
	low	5658	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5659	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5660	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5661	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5662	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5663	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5664	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5665	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5666	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5667	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5668	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5669	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5670	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5671	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
	high	5672	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5673	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5674	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5675	positive	negative	negative	negative	negative	negative	negative	negative	negative	negative
		5676	negative	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5677	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5678	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5679	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5680	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5681	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
		5682	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive

Table I Inclusivity data from BACGene Listeria Multiplex and BACGene Listeria spp. from the AriaMX and the Bio-Rad CFX96

Sample				BACGene Listeria Multiplex				BACGene Listeria monocytogenes	
	Genus	Strains		Target L. spp		Target L. mono		Target L. mono	
		Species	Reference	AriaMx	CFX96	AriaMx	CFX96	CFX96	AriaMx
1	<i>Listeria</i>	<i>monocytogenes</i>	1011/1410	positive	positive	positive	positive	positive	positive
2	<i>Listeria</i>	<i>monocytogenes</i>	Adria 153	positive	positive	positive	positive	positive	positive
3	<i>Listeria</i>	<i>monocytogenes</i>	1973/2400	positive	positive	positive	positive	positive	positive
4	<i>Listeria</i>	<i>monocytogenes</i>	38/181	positive	positive	positive	positive	positive	positive
5	<i>Listeria</i>	<i>monocytogenes</i>	7111/7516	positive	positive	positive	positive	positive	positive
6	<i>Listeria</i>	<i>monocytogenes</i>	913/1048	positive	positive	positive	positive	positive	positive
7	<i>Listeria</i>	<i>monocytogenes</i>	A00C036	positive	positive	positive	positive	positive	positive
8	<i>Listeria</i>	<i>monocytogenes</i>	A00C041	positive	positive	positive	positive	positive	positive
9	<i>Listeria</i>	<i>monocytogenes</i>	A00C044	positive	positive	positive	positive	positive	positive
10	<i>Listeria</i>	<i>monocytogenes</i>	A00L097	positive	positive	positive	positive	positive	positive
11	<i>Listeria</i>	<i>monocytogenes</i>	A00M009	positive	positive	positive	positive	positive	positive
12	<i>Listeria</i>	<i>monocytogenes</i>	Ad253	positive	positive	positive	positive	positive	positive
13	<i>Listeria</i>	<i>monocytogenes</i>	Ad266	positive	positive	positive	positive	positive	positive
14	<i>Listeria</i>	<i>monocytogenes</i>	Ad270	positive	positive	positive	positive	positive	positive
15	<i>Listeria</i>	<i>monocytogenes</i>	Ad273	positive	positive	positive	positive	positive	positive
16	<i>Listeria</i>	<i>monocytogenes</i>	Ad274	positive	positive	positive	positive	positive	positive
17	<i>Listeria</i>	<i>monocytogenes</i>	Ad534	positive	positive	positive	positive	positive	positive
18	<i>Listeria</i>	<i>monocytogenes</i>	Ad548	positive	positive	positive	positive	positive	positive
19	<i>Listeria</i>	<i>monocytogenes</i>	Ad623	positive	positive	positive	positive	positive	positive
20	<i>Listeria</i>	<i>monocytogenes</i>	Ad665	positive	positive	positive	positive	positive	positive
21	<i>Listeria</i>	<i>monocytogenes</i>	1972/2399	positive	positive	positive	positive	positive	positive
22	<i>Listeria</i>	<i>monocytogenes</i>	2407/3139	positive	positive	positive	positive	positive	positive
23	<i>Listeria</i>	<i>monocytogenes</i>	2760/3145	positive	positive	positive	positive	positive	positive
24	<i>Listeria</i>	<i>monocytogenes</i>	32183	positive	positive	positive	positive	positive	positive
25	<i>Listeria</i>	<i>monocytogenes</i>	5721/6179	positive	positive	positive	positive	positive	positive
26	<i>Listeria</i>	<i>monocytogenes</i>	850/109	positive	positive	positive	positive	positive	positive
27	<i>Listeria</i>	<i>monocytogenes</i>	877/113	positive	positive	positive	positive	positive	positive
28	<i>Listeria</i>	<i>monocytogenes</i>	A00C014	positive	positive	positive	positive	positive	positive
29	<i>Listeria</i>	<i>monocytogenes</i>	A00C022	positive	positive	positive	positive	positive	positive
30	<i>Listeria</i>	<i>monocytogenes</i>	A00C024	positive	positive	positive	positive	positive	positive
31	<i>Listeria</i>	<i>monocytogenes</i>	A00C039	positive	positive	positive	positive	positive	positive
32	<i>Listeria</i>	<i>monocytogenes</i>	A00C040	positive	positive	positive	positive	positive	positive
33	<i>Listeria</i>	<i>monocytogenes</i>	A00C042	positive	positive	positive	positive	positive	positive
34	<i>Listeria</i>	<i>monocytogenes</i>	A00C043	positive	positive	positive	positive	positive	positive
35	<i>Listeria</i>	<i>monocytogenes</i>	A00C052	positive	positive	positive	positive	positive	positive
36	<i>Listeria</i>	<i>monocytogenes</i>	A00C053	positive	positive	positive	positive	positive	positive
37	<i>Listeria</i>	<i>monocytogenes</i>	A00C054	positive	positive	positive	positive	positive	positive
38	<i>Listeria</i>	<i>monocytogenes</i>	A00C055	positive	positive	positive	positive	positive	positive
39	<i>Listeria</i>	<i>monocytogenes</i>	A00E008	positive	positive	positive	positive	positive	positive
40	<i>Listeria</i>	<i>monocytogenes</i>	A00E049	positive	positive	positive	positive	positive	positive
41	<i>Listeria</i>	<i>monocytogenes</i>	A00E082	positive	positive	positive	positive	positive	positive
42	<i>Listeria</i>	<i>monocytogenes</i>	A00M032	positive	positive	positive	positive	positive	positive
43	<i>Listeria</i>	<i>monocytogenes</i>	A00M045	positive	positive	positive	positive	positive	positive
44	<i>Listeria</i>	<i>monocytogenes</i>	A00M088	positive	positive	positive	positive	positive	positive
45	<i>Listeria</i>	<i>monocytogenes</i>	Ad235	positive	positive	positive	positive	positive	positive
46	<i>Listeria</i>	<i>monocytogenes</i>	Ad260	positive	positive	positive	positive	positive	positive
47	<i>Listeria</i>	<i>monocytogenes</i>	Ad265	positive	positive	positive	positive	positive	positive
48	<i>Listeria</i>	<i>monocytogenes</i>	Ad267	positive	positive	positive	positive	positive	positive
49	<i>Listeria</i>	<i>monocytogenes</i>	Ad268	positive	positive	positive	positive	positive	positive
50	<i>Listeria</i>	<i>monocytogenes</i>	Ad272	positive	positive	positive	positive	positive	positive

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