



# REFERENCE MATERIAL CERTIFICATE



A2LA Accredited  
Reference Material Producer  
Certificate Number 3189.03

This certificate supersedes all previous issues.

**Product Name** FM0046 Listeria and Salmonella Daily Control

**Batch Number** RM5384

**Hazard Information** This material contains micro-organisms. Please take suitable precautions at all times when handling this reference material. Please download Safety Data Sheet via below link:  
[SDS Microbiological Reference Material](#)

**Description of the Material** Generic powder

**Presentation**

	Each set is heat sealed in a plastic bag
Number of Units provided:	Five (5)
Each unit consists of:	10-12 g
Units are contained in:	Plastic sachet

**Target Organism Content**

	<b>Organism Name (IFM Number)</b>
	<i>Listeria monocytogenes (1011)</i>
	<i>Salmonella Hofit (2318)</i>

<b><i>Intended Use</i></b>	Microbiological Reference Material
<b><i>Instructions for Use</i></b>	<p>Store unopened material at 3 °C - 5°C protected from light until used. Use aseptic technique at all times.</p> <p>Accurately weigh a minimum of 10 g of powder and prepare a working solution using Peptone Water or Butterfields Solution. While the most common dilution is 1:10, any ratio can be used to yield desired counts. The presented powder is ready-to-test as presented.</p> <p>Once prepared, materials must be stored between 3 °C - 5°C protected from light. Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation.</p> <p>Values quoted in this certificate do not apply when the reference material is used in a manner contrary to the instructions. Values quoted have been statistically verified using the instructions described above. The specified volume in the instructions is the minimum sample size required to yield the defined quantitative parameters.</p>
<b><i>Date of Certification</i></b>	November 28, 2024
<b><i>Certificate Expiry</i></b>	March 23, 2025 <span style="float: right;">This material will be recertified after this expiry date.</span>
<b><i>Product Expiry</i></b>	December 31, 2025

**Certified values and their uncertainties**

Data was log transformed prior to applying statistical processes. The assigned value is the average of results on the declared day of test. The uncertainty of the assigned value is the largest standard error of each conducted test series. The lower limit takes into account the expected decline of the microbe levels over the certification interval. These have been calculated using all factors as described in ISO 17034.

Tests were conducted on: November 18, 2024  
5 replicate data points were used to generate this certificate

Results are expressed as cfu/g of material that is "ready-to-test".

Test Name (Method Reference)	Assigned Value	Uncertainty of the Assigned Value (log)	Standard Deviation (log)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Listeria mono (IFM0713.1)	6.1E+03	0.04	0.10	1.4E+04	2.0E+03
Salmonella (IFM0712.3)	2.6E+03	0.05	0.11	4.7E+03	9.9E+02
SPC (IFM0701.3)	8.1E+03	0.02	0.04	1.9E+04	2.2E+03

Additional Test Comments/Information  
Test Names marked with an \* are not within the scope of accreditation

**Authorised By** Trevor Rumbekuan, Production Officer

Control Chart for:

Listeria mono (IFM0713.1)

Certification Date: 28/11/2024

Expiry: 23/03/2025

less than	2010
2011	to 4415
4416	to 6820
6821	to 9225
9226	to 11629
11630	to 14034
more than	14034

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained

Date / Initials

Assessed and reviewed by:

Comments:

Control Chart for:

### Salmonella (IFM0712.3)

Certification Date: 28/11/2024

Expiry: 23/03/2025

less than	990																		
	991	to	1738																
	1739	to	2486																
	2487	to	3233																
	3234	to	3981																
	3982	to	4729																
	more than		4729																

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Date / Initials

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	990	to	1738	1739	to	2486	2487	to	3233	3234	to	3981	3982	to	4729	more than	4729	Date / Initials	
Assessed and reviewed by:			Comments:																						

Control Chart for:

SPC (IFM0701.3)

Certification Date: 28/11/2024

Expiry: 23/03/2025

less than 2154  
 2155 to 5579  
 5580 to 9004  
 9005 to 12429  
 12430 to 15854  
 15855 to 19279  
 more than 19279

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Date / Initials

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 2154	2155 to 5579	5580 to 9004	9005 to 12429	12430 to 15854	15855 to 19279	more than 19279	Date / Initials
Assessed and reviewed by:			Comments:										