



REFERENCE MATERIAL CERTIFICATE



This certificate supersedes all previous issues.

A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

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:
http://proficiency.ifmqs.com.au/dropbox/information/QMT025_MSDS_Microbiological_Reference_Material.pdf

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

Organism Name (IFM Number)
Listeria monocytogenes (1011)
Salmonella Hofit (2318)

<i>Intended Use</i>	Microbiological Reference Material
<i>Instructions for Use</i>	<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 can be stored between 3 °C - 5°C protected from light. Mix thoroughly before testing to resuspend settled product. Materials can be used throughout the day. Use the materials within 24 hours.</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>
<i>Date of Certification</i>	September 10, 2024
<i>Certificate Expiry</i>	December 6, 2024 This material will be recertified after this expiry date.
<i>Product Expiry</i>	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: August 28, 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)	1.1E+04	0.02	0.05	2.6E+04	3.9E+03
Salmonella (IFM0712.3)	2.5E+03	0.07	0.15	4.6E+03	1.0E+03
SPC (IFM0701.3)	6.7E+03	0.00	0.01	1.6E+04	1.9E+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: 10/09/2024

Expiry: 6/12/2024

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 3883	3884 to 8237	8238 to 12591	12592 to 16945	16946 to 21299	21300 to 25654	more than 25654	Date / Initials
Assessed and reviewed by:			Comments:										

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Control Chart for:

Salmonella (IFM0712.3)

Certification Date: 10/09/2024

Expiry: 6/12/2024

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CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 1044	1045 to 1764	1765 to 2483	2484 to 3202	3203 to 3921	3922 to 4640	more than 4640	Date / Initials
Assessed and reviewed by:			Comments:										

