



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name MV0037 Legionella Daily Control

Batch Number RM5552

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 Freeze dried pellet

Presentation

| | |
|---------------------------|---|
| Number of Units provided: | Individual units are heat sealed in a plastic bag and placed in a plastic jar |
| Each unit consists of: | Three (3) |
| Units are contained in: | 1 pellet |
| | Stoppered glass vials |

Target Organism Content

Organism Name (IFM Number)
Fluoribacter bozemanæ (5506)
Legionella pneumophila SG1 (5504)

| | |
|-------------------------------------|---|
| <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>Add 10.0 mL Peptone Water or Butterfields solution. Dissolve the pellet using a sterile transfer pipette and mix thoroughly. Stand for 30 minutes. Dilute to achieve counts in suitable ranges for work being undertaken.</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> |
| <i>Date of Certification</i> | December 18, 2024 |
| <i>Certificate Expiry</i> | February 28, 2025 This is the final certificate |
| <i>Product Expiry</i> | February 28, 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:

December 6, 2024
5 replicate data points were used to generate this certificate

Results are expressed as cfu/vial

| 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 |
| Legionella sp (IFM0521) | 3.1E+06 | 0.04 | 0.10 | 5.8E+06 | 9.4E+05 |
| Legionella Total (IFM0521) | 3.2E+06 | 0.04 | 0.09 | 5.5E+06 | 8.2E+05 |
| LPSG1 (IFM0521) | 9.3E+04 | 0.07 | 0.16 | 2.0E+05 | 1.4E+04 |
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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:

Legionella sp (IFM0521)

Certification Date: 18/12/2024

Expiry: 28/02/2025

| CRM Solution Preparation Date | Test Date | Details of settings / dilutions | Media Name and Batch / Method details | Date / Initials | Count obtained | less than | 940154 | to | 1920340 | 1920341 | to | 2900525 | 2900526 | to | 3880710 | 3880711 | to | 4860895 | 4860896 | to | 5841080 | more than | 5841080 | MV0037 Legionella Daily Control | |
|-------------------------------|-----------|---------------------------------|---------------------------------------|-----------------|----------------|-----------|--------|----|---------|---------|----|---------|---------|----|---------|---------|----|---------|---------|----|---------|-----------|---------|---------------------------------|--|
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| | | | | | | | | | | | | | | | | | | | | | | | | Date / Initials | |
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| Assessed and reviewed by: | | | Comments: | | | | | | | | | | | | | | | | | | | | | | |

Control Chart for:

Legionella Total (IFM0521)

Certification Date: 18/12/2024

Expiry: 28/02/2025

| | |
|-----------|------------|
| less than | 821289 |
| 821290 | to 1752024 |
| 1752025 | to 2682760 |
| 2682761 | to 3613496 |
| 3613497 | to 4544232 |
| 4544233 | to 5474968 |
| more than | 5474968 |

| |
|---------------------------------|
| MV0037 Legionella Daily Control |
| RM5552 |
| Date / Initials |

| CRM Solution Preparation Date | Test Date | Details of settings / dilutions | Media Name and Batch / Method details | Date / Initials | Count obtained |
|-------------------------------|-----------|---------------------------------|---------------------------------------|-----------------|----------------|
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Assessed and reviewed by:

Comments:

