



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	RM6073	
Hazard Information	<p>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:</p> <p>SDS Microbiological Reference Material</p>	
Description of the Material	Freeze dried Pellet	
Presentation	<p>Number of Units provided:</p> <p>Each unit consists of:</p> <p>Units are contained in:</p>	<p>Individual units are heat sealed in a plastic bag and placed in a plastic jar</p> <p>Three (3)</p> <p>1 pellet</p> <p>Stoppered glass vials</p>
Target Organism Content	<p>Organism Name (IFM Number)</p> <p><i>Legionella bozemanæ</i> (5506)</p> <p><i>Legionella pneumophila</i> SG1 (5504)</p>	

Intended Use	Microbiological Reference Material	
Instructions for Use	<p>Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times.</p> <ol style="list-style-type: none">1. Aseptically open the vial.2. Add 10ml of Peptone water or Butterfields solution into the vial.3. Dissolve the pellet using a sterile transfer pipette and mix thoroughly.4. Stand for 30 minutes at room temperature, protected from light.5. Dilute to achieve counts in suitable ranges for work being undertaken.6. Refer to the table below for reference values. <p>Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation. Once prepared, materials must be stored at 2°C - 6°C protected from light.</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>	
Date of Certification	December 18, 2025	
Certificate Expiry	March 7, 2026	This material will be recertified after this expiry date.
Product Expiry	June 6, 2027	

Certified values and their uncertainties

Tests were conducted on:

Data was log transformed prior to applying statistical processes. The assigned value is the average of results on the declared day of test. The expanded uncertainty of the assigned value is based on the combined standard uncertainty in accordance with ISO 17034 (where k = 2 is the coverage factor for 95% confidence). 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.

November 27, 2025

5 replicate data points were used to generate this certificate

Results are
expressed as
cfu/vial

Test Name (Method Reference)	Assigned Value	Expanded Uncertainty (log ₁₀ value)	Standard Deviation (log ₁₀ value)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Legionella spp. Count (IFM0521)	8.4E+06	0.28	0.03	1.6E+07	2.3E+06
Legionella Total Count (IFM0521)	2.4E+07	0.24	0.04	4.2E+07	5.4E+06
Legionella pneumophila SG1 Count (IFM0521)	1.6E+07	0.33	0.07	3.4E+07	2.0E+06

Additional Test Comments/Information

Test Names marked with an * are not within the scope of accreditation

Authorised By

Samuel Baillie, Production Technician

Control Chart for: Legionella spp. Count (IFM0521)						2285340		4985654		7685967		10386281		13086595		15786909		MV0037 Legionella Daily Control	
Certification Date: 18/12/2025						Expiry: 7/03/2026												RM6073	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2285341	to	4985655	to	7685968	to	10386282	to	13086596	to	15786909	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: Legionella Total Count (IFM0521)						5381045		12694129		20007212		27320295		34633378		41946462		MV0037 Legionella Daily Control	
Certification Date: 18/12/2025						Expiry:		7/03/2026										RM6073	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	5381046	to	12694130	to	20007213	to	27320296	to	34633379	to	41946462	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: Legionella pneumophila SG1 Count (IFM0521)						1986521		8398720		14812919		21226118		27639316		34052515		MV0037 Legionella Daily Control	
Certification Date: 18/12/2025						Expiry:		7/03/2026										RM6073	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1986522	to	8398721	to	14812920	to	21226119	to	27639317	to	34052516	more than	Date / Initials
Assessed and reviewed by:			Comments:																