



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		RM5795
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	Individual units are heat sealed in a plastic bag and placed in a plastic jar	
	Number of Units provided:	Three (3)
	Each unit consists of:	1 pellet
	Units are contained in:	Stoppered glass vials
Target Organism Content		Organism Name (IFM Number) <i>Fluoribacter bozeman</i>ae (5506) <i>Legionella pneumophila</i> SG1 (5504)

Intended Use	Microbiological Reference Material	
Instructions for Use	Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times. 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. 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. 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.	
Date of Certification	September 24, 2025	
Certificate Expiry	December 31, 2025	This is the final certificate
Product Expiry	December 31, 2025	

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 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.

September 12, 2025
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 spp. Count (IFM0521)	2.4E+06	0.01	0.02	4.5E+06	6.1E+05
Legionella Total Count (IFM0521)	2.5E+06	0.01	0.02	4.3E+06	5.0E+05
Legionella pneumophila SG1 Count (IFM0521)	9.8E+04	0.07	0.16	2.1E+05	1.0E+04

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)

Certification Date: 24/09/2025

Expiry: 31/12/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 613113	1395595	2178078	2960560	3743042	more than 4	Date / Initials
Assessed and reviewed by:			Comments:									

Control Chart for:

Legionella pneumophila SG1 Count (IFM0521)

Certification Date: 24/09/2025

Expiry: 31/12/2025

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