



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		<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	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		<p>Organism Name (IFM Number)</p> <p><i>Fluoribacter bozemanæ</i> (5506)</p> <p><i>Legionella pneumophila</i> SG1 (5504)</p>

<i>Intended Use</i>	Microbiological Reference Material	
<i>Instructions for Use</i>	Store unopened material at 3 °C - 5°C protected from light until used. Use aseptic technique at all times.	
	Add 10.0 mL Peptone Water or Butterfields solution. Dissolve the pellet using a sterile transfer pipette and mix thoroughly. Stand for 30 minutes, protected from light. Dilute to achieve counts in suitable ranges for work being undertaken.	
	Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation. Once prepared, materials must be stored between 3 °C - 5°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.		
<i>Date of Certification</i>	April 8, 2025	
<i>Certificate Expiry</i>	July 5, 2025	This material will be recertified after this expiry date.
<i>Product Expiry</i>	December 31, 2025	

Certified values and their uncertainties

Tests were conducted on: March 27, 2025
5 replicate data points were used to generate this certificate

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.

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)	6.9E+06	0.03	0.07	1.3E+07	1.9E+06
Legionella Total (IFM0521)	7.6E+06	0.03	0.07	1.3E+07	1.7E+06
LPSG1 (IFM0521)	6.1E+05	0.03	0.06	1.3E+06	7.5E+04

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)						less than	1898392	to	4141496	to	6384600	to	8627704	to	10870807	to	13113911	more than	13113911	MV0037 Legionella Daily Control RM5795
Certification Date: 8/04/2025						Expiry: 5/07/2025														Date / Initials
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained															
Assessed and reviewed by:			Comments:																	

Control Chart for

Legionella Total (IFM0521)

Certification Date: 8/04/2025

Expiry: 5/07/202

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 1667437	3933557	6198678	8465799	10731919	more than 1	Date / Initials
Assessed and reviewed by:			Comments:									

Control Chart for:

LPSG1 (IFM0521)

Certification Date: 8/04/2025

Expiry: 5/07/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 75008	317156	569304	801453	1043601	more than 1	Date / Initials

Assessed and reviewed by:

Comments: