



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	<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>Fluoribacter bozeman</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>	June 30, 2025	
<i>Certificate Expiry</i>	September 27, 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: June 19, 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 spp. Count (IFM0521)	2.1E+06	0.02	0.05	3.9E+06	5.7E+05
Legionella Total Count (IFM0521)	2.2E+06	0.03	0.06	3.8E+06	4.9E+05
Legionella pneumophila SG1 Count (IFM0521)	1.3E+05	0.08	0.18	2.7E+05	1.6E+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 spp. Count (IFM0521)

Certification Date: 30/06/2025

Expiry: 27/09/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 570231	570231	1244004	1917777	2591549	3265322	more than	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for: Legionella Total Count (IFM0521)						less than	488414	to	1152190	to	1815967	to	2479743	to	3143520	to	3807296	more than	3807296	MV0037 Legionella Daily Control RM5795
Certification Date: 30/06/2025						Expiry: 27/09/2025														
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained															Date / Initials
Assessed and reviewed by:			Comments:																	

Control Chart for: Legionella pneumophila SG1 Count (IFM0521)						15759												MV0037 Legionella Daily Control										
Certification Date: 30/06/2025						Expiry: 27/09/2025												RM5795										
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	15760	to	66635	to	66636	to	117510	to	117511	to	168386	to	168387	to	219262	to	219263	to	270137	more than	270137	Date / Initials
Assessed and reviewed by:			Comments:																									