



# 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**

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)

<b><i>Intended Use</i></b>	Microbiological Reference Material
<b><i>Instructions for Use</i></b>	<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, protected from light. Dilute to achieve counts in suitable ranges for work being undertaken.</p> <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 between 3 °C - 5°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>
<b><i>Date of Certification</i></b>	January 30, 2025
<b><i>Certificate Expiry</i></b>	April 21, 2025 <span style="float: right;">This material will be recertified after this expiry date.</span>
<b><i>Product Expiry</i></b>	December 31, 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:

January 16, 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 sp (IFM0521)	1.1E+07	0.01	0.03	2.1E+07	3.2E+06
Legionella Total (IFM0521)	1.3E+07	0.01	0.03	2.3E+07	3.0E+06
LPSG1 (IFM0521)	1.9E+06	0.02	0.05	4.0E+06	2.5E+05

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 Total (IFM0521)

Certification Date: 30/01/2025

Expiry: 21/04/2025

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	3039912	to	6945161	to	10850409	to	14755658	to	18660906	to	22566155	more than	22566155	MV0037 Legionella Daily Control	
						3039913	6945162	10850410	14755659	18660907	22566155	RM5795									
																				Date / Initials	
Assessed and reviewed by:			Comments:																		

