



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name MV0029 Universal Daily Control

Batch Number RM6057

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)
Bacillus cereus (1604)
Clostridium perfringens (1704)
Enterococcus faecalis (3301)
Escherichia coli (2005)
Klebsiella aerogenes (2201)
Pseudomonas aeruginosa (5005)

<i>Intended Use</i>	Microbiological Reference Material
<i>Instructions for Use</i>	<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>
<i>Date of Certification</i>	April 28, 2026
<i>Certificate Expiry</i>	August 11, 2026 This material will be recertified after this expiry date.
<i>Product Expiry</i>	November 30, 2026

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 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.

Tests were conducted on:

April 21, 2026

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
	Bacillus cereus Count (IFM0719.2)	1.8E+04	0.13	0.04	2.4E+04	1.2E+04
	Clostridium perfringens Count (IFM0718.1)	2.7E+04	0.24	0.17	4.2E+04	1.4E+04
	Coliform Count (IFM0705)	9.0E+04	0.20	0.01	1.4E+05	2.2E+04
	E. coli Count (IFM0705)	7.8E+04	0.28	0.02	1.5E+05	2.0E+04
	Enterococcus spp. Count (IFM0711.2)	2.8E+04	0.17	0.07	4.1E+04	1.9E+04
	Pseudomonas aeruginosa Count (IFM0709.2)	1.8E+06	0.25	0.10	3.0E+06	2.8E+05
	Standard Plate Count (IFM0701.3)	7.4E+06	0.15	0.02	1.0E+07	2.1E+06

Additional Test Comments/Information

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

Authorised By

Samuel Baillie, Production Technician

