



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

Intended Use	Microbiological Reference Material	
Instructions for Use	<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>	
Date of Certification	February 4, 2026	
Certificate Expiry	May 9, 2026	This material will be recertified after this expiry date.
Product Expiry	November 30, 2026	

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 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.

January 28, 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)	1.6E+04	0.55	0.03	5.7E+04	3.4E+03
Clostridium perfringens Count (IFM0718.1)	2.3E+04	0.60	0.26	8.1E+04	6.3E+03
Coliform Count (IFM0705)	1.5E+05	0.28	0.11	2.7E+05	1.5E+04
E. coli Count (IFM0705)	9.8E+04	0.40	0.14	2.4E+05	1.9E+04
Enterococcus spp. Count (IFM0711.2)	2.7E+04	0.60	0.06	1.1E+05	5.1E+03
Pseudomonas aeruginosa Count (IFM0709.2)	2.4E+06	0.63	0.03	1.0E+07	1.1E+05
Standard Plate Count (IFM0701.3)	7.2E+06	0.38	0.08	1.7E+07	2.3E+06

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: Bacillus cereus Count (IFM0719.2)						3399												MV0029 Universal Daily Control						
Certification Date: 4/02/2026						Expiry: 9/05/2026												RM6057						
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	3400	to	14089	14090	to	24778	24779	to	35468	35469	to	46157	46158	to	56847	more than	56847	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Clostridium perfringens Count (IFM0718.1)						6302												MV0029 Universal Daily Control						
Certification Date: 4/02/2026						Expiry: 9/05/2026												RM6057						
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	6303	to	21215	21216	to	36129	36130	to	51042	51043	to	65955	65956	to	80868	more than	80868	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Coliform Count (IFM0705)						15264												MV0029 Universal Daily Control										
Certification Date: 4/02/2026						Expiry: 9/05/2026												RM6057										
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	15265	to	67178	to	67179	to	119092	to	119093	to	171007	to	171008	to	222921	to	222922	to	274835	more than	274835	Date / Initials
Assessed and reviewed by:			Comments:																									

Control Chart for: E. coli Count (IFM0705)						19128												MV0029 Universal Daily Control
Certification Date: 4/02/2026						Expiry: 9/05/2026												RM6057
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	19129	to	62500	to	106071	to	149542	to	193013	to	236484	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for:

Enterococcus spp. Count (IFM0711.2)

Certification Date: 4/02/2026

Expiry: 9/05/2026

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	5120	25552	45984	66416	86848	more than	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for: Pseudomonas aeruginosa Count (IFM0709.2)						less than	105074	105075	to	2091923	2091924	to	4078773	4078774	to	6065622	6065623	to	8052472	8052473	to	10039321	more than	10039321	MV0029 Universal Daily Control RM6057
Certification Date: 4/02/2026	Expiry: 9/05/2026																								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: Standard Plate Count (IFM0701.3)						less than	2291578	to	5216673	to	8141768	to	11066863	to	13991958	to	16917053	more than	16917053	MV0029 Universal Daily Control RM6057
Certification Date: 4/02/2026						Expiry: 9/05/2026														
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:																	