



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

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	November 11, 2025	
Certificate Expiry	February 11, 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 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.

November 3, 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
Bacillus cereus Count (IFM0719.2)	7.3E+03	0.01	0.03	2.6E+04	1.5E+03
Clostridium perfringens Count (IFM0718.1)	2.7E+04	0.05	0.11	9.5E+04	7.4E+03
Coliform Count (IFM0705)	1.8E+05	0.02	0.05	3.2E+05	1.8E+04
E. coli Count (IFM0705)	9.5E+04	0.02	0.04	2.3E+05	1.9E+04
Enterococcus spp. Count (IFM0711.2)	3.1E+04	0.01	0.02	1.2E+05	5.9E+03
Pseudomonas aeruginosa Count (IFM0709.1)	6.3E+06	0.05	0.10	2.7E+07	2.8E+05
Standard Plate Count (IFM0701.3)	1.2E+07	0.03	0.07	2.8E+07	3.7E+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)						1541											MV0029 Universal Daily Control	
Certification Date: 11/11/2025						Expiry: 11/02/2026											RM6057	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1542	to	6371	to	11199	to	16029	to	20858	to	25667	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Clostridium perfringens Count (IFM0718.1)						7411												MV0029 Universal Daily Control						
Certification Date: 11/11/2025						Expiry: 11/02/2026												RM6057						
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	7412	to	24946	24947	to	42481	42482	to	60016	60017	to	77552	77553	to	95067	more than	95087	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Coliform Count (IFM0705)						18156												MV0029 Universal Daily Control
Certification Date: 11/11/2025						Expiry: 11/02/2026												RM6057
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	18157	to	78832	to	139507	to	200182	to	260857	to	321531	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: E. coli Count (IFM0705)						18771												MV0029 Universal Daily Control										
Certification Date: 11/11/2025						Expiry: 11/02/2026												RM6057										
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	18772	to	61085	to	61086	to	103400	to	103401	to	145715	to	145716	to	188029	to	188030	to	230344	more than	230344	Date / Initials
Assessed and reviewed by:			Comments:																									

Control Chart for: Enterococcus spp. Count (IFM0711.2)						5923												MV0029 Universal Daily Control
Certification Date: 11/11/2025						Expiry: 11/02/2026												RM6057
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	5924	to	29496	to	53066	to	76638	to	100209	to	123781	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Pseudomonas aeruginosa Count (IFM0709.1)						less than	284024	to	5565292	to	5565293	to	10846561	to	16127829	to	21409097	to	26690366	more than	26690366	MV0029 Universal Daily Control RM6057
Certification Date: 11/11/2025						Expiry: 11/02/2026																
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:																			

Control Chart for: Standard Plate Count (IFM0701.3)						less than	3749536	to	8520500	to	13291463	to	18062426	to	22833389	to	27604353	more than	27604353	MV0029 Universal Daily Control RM6057
Certification Date: 11/11/2025						Expiry: 11/02/2026														
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:																	