



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:	Five (5)
	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	Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times. 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. 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. 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.	
Date of Certification	July 31, 2026	
Certificate Expiry	November 30, 2026	This is the final certificate
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.

July 27, 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)	1.5E+04	0.47	0.04	4.4E+04	3.9E+03
Clostridium perfringens Count (IFM0718.1)	2.1E+04	0.45	0.20	5.4E+04	5.7E+03
Coliform Count (IFM0705)	1.0E+05	0.23	0.13	1.6E+05	2.1E+04
E. coli Count (IFM0705)	8.7E+04	0.30	0.13	1.7E+05	2.0E+04
Enterococcus spp. Count (IFM0711.2)	2.8E+04	0.23	0.04	4.6E+04	1.3E+04
Pseudomonas aeruginosa Count (IFM0709.2)	8.5E+05	0.26	0.14	1.5E+06	1.1E+05
Standard Plate Count (IFM0701.3)	3.9E+06	0.22	0.09	6.3E+06	7.0E+05

Additional Test Comments/Information

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

Authorised By

Samuel Baillie, Production Technician

Control Chart for: Bacillus cereus Count (IFM0719.2)						3897											MV0029 Universal Daily Control							
Certification Date: 31/07/2026						Expiry: 30/11/2026											RM6057							
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	3898	to	12005	12006	to	20113	20114	to	28221	28222	to	36329	36330	to	44437	more than	44437	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Clostridium perfringens Count (IFM0718.1)						5749											MV0029 Universal Daily Control	
Certification Date: 31/07/2026																	RM6057	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	5750	to	15380	to	25010	to	34641	to	44272	to	53902	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Coliform Count (IFM0705)						21247												MV0029 Universal Daily Control
Certification Date: 31/07/2026							to	49009	to	76771	to	104533	to	132295	to	160057		RM6057
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	21248		49010		76772		104534		132296	more than	160057	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: E. coli Count (IFM0705)						20262		49317		78371		107426		136480		165535		MV0029 Universal Daily Control	
Certification Date: 31/07/2026						Expiry: 30/11/2026												RM6057	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	20263	to	49318	to	78372	to	107427	to	136481	to	165536	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: Enterococcus spp. Count (IFM0711.2)						13272											MV0029 Universal Daily Control							
Certification Date: 31/07/2026																	RM6057							
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	13273	to	19910	19911	to	26547	26548	to	33184	33185	to	39822	39823	to	46459	more than	46459	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Pseudomonas aeruginosa Count (IFM0709.2)						114486				382984				651482				919979				1188477				1456975				1456975		MV0029 Universal Daily Control			
Certification Date: 31/07/2026						Expiry: 30/11/2026						less than		114487		to		382985		to		651483		to		919980		to		1188478		more than		RM6057	
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)						696277		1810799		2925321		4039844		5154366		6268888		MV0029 Universal Daily Control	
Certification Date: 31/07/2026						Expiry:		30/11/2026										RM6057	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	696278	to	1810800	to	2925322	to	4039845	to	5154367	to	6268889	more than	Date / Initials
Assessed and reviewed by:			Comments:																