



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	RM6179	
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: Each unit consists of: Units are contained in:	Individual units are heat sealed in a plastic bag and placed in a plastic jar Five (5) 1 pellet 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	June 22, 2026	
Certificate Expiry	September 23, 2026	This material will be recertified after this expiry date.
Product Expiry	September 30, 2027	

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.

June 15, 2026
5 replicate data points were used to generate this certificate

Results are
expressed as
cfu/vial

				Calculated Limits for Daily Control Purposes	
Test Name (Method Reference)	Assigned Value	Expanded Uncertainty (log ₁₀ value)	Standard Deviation (log ₁₀ value)	High limit	Low limit
Bacillus cereus Count (IFM0719.2)	4.4E+03	0.47	0.02	1.3E+04	1.2E+03
Clostridium perfringens Count (IFM0718.1)	7.7E+03	0.42	0.06	2.0E+04	2.3E+03
Coliform Count (IFM0705)	2.3E+05	0.21	0.04	3.7E+05	6.1E+04
E. coli Count (IFM0705)	2.6E+04	0.29	0.10	5.0E+04	7.2E+03
Enterococcus spp. Count (IFM0711.2)	1.6E+04	0.23	0.05	2.6E+04	7.8E+03
Pseudomonas aeruginosa Count (IFM0709.2)	5.8E+04	0.25	0.11	9.9E+04	1.1E+04
Standard Plate Count (IFM0701.3)	1.1E+06	0.22	0.09	1.8E+06	2.7E+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)						1188												MV0029 Universal Daily Control
Certification Date: 22/06/2026						Expiry: 23/09/2026												RM6179
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1189	to	3509	to	5827	to	8147	to	10467	to	12786	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Clostridium perfringens Count (IFM0718.1)						2268											MV0029 Universal Daily Control	
Certification Date: 22/06/2026						Expiry: 23/09/2026											RM6179	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2269	to	5789	to	9308	to	12827	to	16346	to	19864	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Coliform Count (IFM0705)						61284		122877		184470		246064		307657		369250		MV0029 Universal Daily Control							
Certification Date: 22/06/2026						Expiry: 23/09/2026						61285		122878		184471		246065		307658		369250		RM6179	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	61285	to	122878	to	184471	to	246065	to	307658	to	369250	more than	Date / Initials						
Assessed and reviewed by:			Comments:																						

Control Chart for: E. coli Count (IFM0705)						7250												MV0029 Universal Daily Control							
Certification Date: 22/06/2026						Expiry: 23/09/2026																			
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	7251	to	15825	15826	to	24401	24402	to	32976	32977	to	41551	41552	to	50127	more than	50127	RM6179	Date / Initials
Assessed and reviewed by:			Comments:																						

Control Chart for: Enterococcus spp. Count (IFM0711.2)						7780												MV0029 Universal Daily Control					
Certification Date: 22/06/2026						Expiry: 23/09/2026												RM6179					
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	7781	to	11428	11429	to	15077	15078	to	18725	18726	to	22373	22374	to	26022	more than 26022	Date / Initials
Assessed and reviewed by:			Comments:																				

Control Chart for: Pseudomonas aeruginosa Count (IFM0709.2)						10514												MV0029 Universal Daily Control
Certification Date: 22/06/2026						Expiry: 23/09/2026												RM6179
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	10515	to	28202	to	45888	to	63574	to	81261	to	98948	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Standard Plate Count (IFM0701.3)						less than	265055	to	581002	to	896949	to	1212896	to	1528843	to	1844790	more than	1844790	MV0029 Universal Daily Control RM6179
Certification Date: 22/06/2026						Expiry: 23/09/2026														
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:																	