



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



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: Five (5) Each unit consists of: 1 pellet Units are contained in: Stoppered glass vials	Individual units are heat sealed in a plastic bag and placed in a plastic jar
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	September 22, 2026	
Certificate Expiry	January 17, 2027	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.

September 14, 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)	4.7E+03	0.47	0.07	1.4E+04	1.2E+03
Clostridium perfringens Count (IFM0718.1)	1.6E+04	0.42	0.05	4.0E+04	4.3E+03
Coliform Count (IFM0705)	3.6E+05	0.22	0.10	5.8E+05	7.7E+04
E. coli Count (IFM0705)	4.0E+04	0.30	0.11	7.7E+04	9.5E+03
Enterococcus spp. Count (IFM0711.2)	2.5E+04	0.23	0.03	4.1E+04	1.2E+04
Pseudomonas aeruginosa Count (IFM0709.2)	5.7E+04	0.32	0.25	9.7E+04	7.7E+03
Standard Plate Count (IFM0701.3)	1.2E+06	0.25	0.16	1.9E+06	2.1E+05

Additional Test Comments/Information

Test Names marked with an * are not within the scope of accreditation
Bacillus cereus count (IFM0719.2) was performed 16th of September 2026

Authorised By

Samuel Baillie, Production Technician

Control Chart for: Bacillus cereus Count (IFM0719.2)						1225											MV0029 Universal Daily Control	
Certification Date: 22/09/2026						Expiry: 17/01/2027												RM6179
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1226	to	3766	to	6307	to	8849	to	11390	to	13932	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Clostridium perfringens Count (IFM0718.1)						4305										MV0029 Universal Daily Control				
Certification Date: 22/09/2026						Expiry: 17/01/2027										RM6179				
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	4306	to	11495	to	18685	to	25875	to	33065	to	40255	more than	40255	Date / Initials
Assessed and reviewed by:			Comments:																	

Control Chart for: Coliform Count (IFM0705)						77195		177068		276941		376814		476687		576559		MV0029 Universal Daily Control	
Certification Date: 22/09/2026						Expiry: 17/01/2027												RM6179	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	77196	to	177069	to	276942	to	376815	to	476688	to	576559	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: E. coli Count (IFM0705)						9488											MV0029 Universal Daily Control	
Certification Date: 22/09/2026						Expiry: 17/01/2027												RM6179
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	9489	to	22995	to	36501	to	50008	to	63514	to	77020	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Enterococcus spp. Count (IFM0711.2)						11779											MV0029 Universal Daily Control							
Certification Date: 22/09/2026						Expiry: 17/01/2027												RM6179						
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	11780	to	17655	17656	to	23631	23632	to	29408	29409	to	35284	35285	to	41160	more than	41160	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Pseudomonas aeruginosa Count (IFM0709.2)						7747											MV0029 Universal Daily Control	
Certification Date: 22/09/2026						Expiry: 17/01/2027											RM6179	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	7748	to	25688	to	43629	to	61570	to	79510	to	97451	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Standard Plate Count (IFM0701.3)						less than	208054	to	537394	to	866733	to	1196073	to	1525412	to	1854752	more than	1854752	MV0029 Universal Daily Control
Certification Date: 22/09/2026						Expiry: 17/01/2027														RM6179
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:																	