



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	RM5818	
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 Three (3) 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)	

<i>Intended Use</i>	Microbiological Reference Material	
<i>Instructions for Use</i>	Store unopened material at 3 °C - 5°C protected from light until used. Use aseptic technique at all times.	
	Add 10.0 mL Peptone Water or Butterfields solution. Dissolve the pellet using a sterile transfer pipette and mix thoroughly. Stand for 30 minutes, protected from light. Dilute to achieve counts in suitable ranges for work being undertaken.	
	Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation. Once prepared, materials must be stored between 3 °C - 5°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.		
<i>Date of Certification</i>	August 5, 2025	
<i>Certificate Expiry</i>	October 31, 2025	This is the final certificate
<i>Product Expiry</i>	October 31, 2025	

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.

July 29, 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)	6.1E+03	0.01	0.03	2.1E+04	1.3E+03
Clostridium perfringens Count (IFM0718.1)	2.7E+03	0.02	0.06	9.6E+03	7.5E+02
Coliform Count (IFM0705)	2.4E+04	0.09	0.19	4.4E+04	2.8E+03
E. coli Count (IFM0705)	1.4E+04	0.11	0.25	3.3E+04	2.8E+03
Enterococcus spp. Count (IFM0711.2)	3.0E+04	0.01	0.02	1.2E+05	5.8E+03
Pseudomonas aeruginosa Count (IFM0709.2)	1.1E+04	0.06	0.13	4.5E+04	5.3E+02
Standard Plate Count (IFM0701.3)	1.3E+05	0.06	0.13	3.2E+05	4.4E+04

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)						1311											MV0029 Universal Daily Control	
Certification Date: 5/08/2025																	RM5818	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1312	to	5345	to	9378	to	13411	to	17443	to	21475	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Clostridium perfringens Count (IFM0718.1)						751											MV0029 Universal Daily Control	
Certification Date: 5/08/2025						Expiry: 31/10/2025											RM5818	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	752	to	2528	to	4303	to	6080	to	7856	to	9632	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Coliform Count (IFM0705)						2760												MV0029 Universal Daily Control
Certification Date: 5/08/2025						Expiry: 31/10/2025												RM5818
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2761	to	11057	to	19354	to	27649	to	35947	to	44242	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: E. coli Count (IFM0705)						2784											MV0029 Universal Daily Control	
Certification Date: 5/08/2025						Expiry: 31/10/2025												RM5818
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2785	to	8764	to	14742	to	20719	to	26698	to	32676	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Enterococcus spp. Count (IFM0711.2)						5831												MV0029 Universal Daily Control
Certification Date: 5/08/2025						Expiry: 31/10/2025												RM5818
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	5832	to	28627	to	51423	to	74218	to	97014	to	119808	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Pseudomonas aeruginosa Count (IFM0709.2)						530		9445		18360		27274		36189		45104	MV0029 Universal Daily Control	
Certification Date: 5/08/2025						Expiry: 31/10/2025												
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	531	to	9446	to	18361	to	27275	to	36190	to	45104	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Standard Plate Count (IFM0701.3)						less than	43933	to	43934	to	98780	to	98781	to	153627	to	153628	to	208474	to	208475	to	263321	to	263322	to	318167	more than	318167	MV0029 Universal Daily Control RM5818
Certification Date: 5/08/2025	Expiry: 31/10/2025																													
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:																											