



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name	MV0029 Water/Food Universal Daily Control	
Batch Number	RM5781	
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	<p>Number of Units provided: Three (3)</p> <p>Each unit consists of: 1 pellet</p> <p>Units are contained in: Stoppered glass vials</p>	Individual units are heat sealed in a plastic bag and placed in a plastic jar
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>	

<i>Intended Use</i>	Microbiological Reference Material
<i>Instructions for Use</i>	<p>Store unopened material at 3 °C - 5°C protected from light until used. Use aseptic technique at all times.</p> <p>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.</p> <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 between 3 °C - 5°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>
<i>Date of Certification</i>	January 22, 2025
<i>Certificate Expiry</i>	April 20, 2025 This is the final certificate
<i>Product Expiry</i>	April 20, 2025

Certified values and their uncertainties

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.

Tests were conducted on: January 6, 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 (IFM0719.2)	3.0E+02	0.04	0.08	1.1E+03	6.3E+01
Clostridium perfringens (IFM0718.1)	4.2E+04	0.02	0.05	1.5E+05	1.2E+04
Coliform (IFM0705)	4.3E+04	0.03	0.06	8.0E+04	4.2E+03
E. coli count (IFM0705)	1.6E+04	0.04	0.09	3.8E+04	3.0E+03
Enterococcus (IFM0711.2)	1.8E+04	0.01	0.02	7.2E+04	3.4E+03
Ps.aeruginosa (IFM0709.1)	5.6E+03	0.03	0.07	2.4E+04	2.4E+02
SPC (IFM0701.3)	9.9E+04	0.02	0.05	2.3E+05	3.2E+04

Additional Test Comments/Information

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

Authorised By

Courtney Murray, Senior Scientific Officer

Control Chart for:

Bacillus (IFM0719.2)

Certification Date: 22/01/2025

Expiry: 20/04/2025

MV0029
Water/Food
Universal Daily
Control
RM5781

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained								Date / Initials											
						less than	63	64	to	262	263	to		462	463	to	662	663	to	861	862	to	1061	more than
Assessed and reviewed by:			Comments:																					

Control Chart for:

Clostridium perfringens (IFM0718.1)

Certification Date: 22/01/2025

Expiry: 20/04/2025

11554
less than
11555 to 38905
38906 to 66256
66257 to 93607
93608 to 120958
120959 to 148309
more than 148309

MV0029
Water/Food
Universal Daily
Control
RM5781

Date / Initials

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 11554	11555 to 38905	38906 to 66256	66257 to 93607	93608 to 120958	120959 to 148309	more than 148309	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

Coliform (IFM0705)

Certification Date: 22/01/2025

Expiry: 20/04/2025

less than	4208
4209	to 19236
19297	to 34383
34384	to 49471
49472	to 64558
64559	to 79646
more than	79646

MV0029
Water/Food
Universal Daily
Control
RM5781

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	4208	4209	to 19236	19297	to 34383	34384	to 49471	49472	to 64558	64559	to 79646	more than	79646	Date / Initials

Assessed and reviewed by:

Comments:

Control Chart for:

E. coli count (IFM0705)

Certification Date: 22/01/2025

Expiry: 20/04/2025

MV0029
Water/Food
Universal Daily
Control
RM5781

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	3013	3014	to	10027	10028	to	17041	17042	to	24055	24056	to	31069	31070	to	38083	more than	38083	Date / Initials		
Assessed and reviewed by:			Comments:																								

Control Chart for:

Enterococcus (IFM0711.2)

Certification Date: 22/01/2025

Expiry: 20/04/2025

3416
less than
3417 to
17171
17172 to
30927
30928 to
44683
44684 to
56438
56439 to
72194
more than
72194

MV0029
Water/Food
Universal Daily
Control
RM5781

Date / Initials

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	3417 to	17172 to	30928 to	44684 to	56439 to	more than	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

Ps.aeruginosa (IFM0709.1)

Certification Date: 22/01/2025

Expiry: 20/04/2025

MV0029
Water/Food
Universal Daily
Control
RM5781

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 237	238 to 4951	4952 to 9665	9666 to 14378	14379 to 19092	19093 to 23806	more than 23806	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for:

SPC (IFM0701.3)

Certification Date: 22/01/2025

Expiry: 20/04/2025

MV0029
Water/Food
Universal Daily
Control
RM5781

less than 31520
31521 to 72138
72139 to 112756
112757 to 153374
153375 to 193992
193993 to 234609
more than 234609

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than 31520	31521 to 72138	72139 to 112756	112757 to 153374	153375 to 193992	193993 to 234609	more than 234609	Date / Initials
Assessed and reviewed by:			Comments:										