



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name		MV0030 Hygiene/Coliform Daily Control
Batch Number		RM6171
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>Aspergillus niger</i> (0019) <i>Candida utilis</i> (0016) <i>Escherichia coli</i> (2005) <i>Klebsiella aerogenes</i> (2201)

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	May 28, 2026	
Certificate Expiry	August 30, 2026	This material will be recertified after this expiry date.
Product Expiry	March 22, 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.

May 22, 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
Coliform Count (IFM0705)	1.6E+04	0.21	0.06	2.5E+04	4.2E+03
E. coli Count (IFM0705)	4.8E+03	0.28	0.03	9.2E+03	1.3E+03
Mould Count (IFM0703.3)	3.9E+03	0.32	0.02	8.1E+03	6.5E+02
Standard Plate Count (IFM0701.3)	2.8E+04	0.21	0.03	4.5E+04	6.5E+03
Yeast Count (IFM0703.3)	1.6E+03	0.20	0.09	2.4E+03	7.1E+02

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: Coliform Count (IFM0705)						4155		8330		12505		16681		20856		25032		MV0030 Hygiene/Coliform Daily Control		
Certification Date: 28/05/2026						Expiry: 30/08/2026												RM6171		
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	4156	to	8331	to	12506	to	16682	to	20857	to	25032	more than	25032	Date / Initials
Assessed and reviewed by:			Comments:																	

Control Chart for: E. coli Count (IFM0705)						1334												MV0030 Hygiene/Coliform Daily Control
Certification Date: 28/05/2026						Expiry: 30/08/2026												RM6171
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	1335	to	2912	to	4489	to	6066	to	7644	to	9220	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Mould Count (IFM0703.3)						645											MV0030 Hygiene/Coliform Daily Control	
Certification Date: 28/05/2026							646	to	2144								RM6171	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	646	to	2145	to	3643	to	5142	to	6640	to	8138 more than	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for: Standard Plate Count (IFM0701.3)						6504												MV0030 Hygiene/Coliform Daily Control RM6171						
Certification Date: 28/05/2026						Expiry: 30/08/2026																		
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	6505	to	14256	14257	to	22008	22009	to	29760	29761	to	37512	37513	to	45265	more than	45266	Date / Initials
Assessed and reviewed by:			Comments:																					

Control Chart for: Yeast Count (IFM0703.3)						708	1041	1374	1708	2041	2374	MV0030 Hygiene/Coliform Daily Control RM6171	
Certification Date: 28/05/2026Expiry: 30/08/2026						less than	709	1042	1375	1709	2042	more than 2374	Date / Initials
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained								
Assessed and reviewed by:			Comments:										