

## MICROBIOLOGICAL MEDIA QUALITY PERFORMANCE REPORT # 24083

Test Media: Aerobic Count Plate

Brand: 3M Petrifilm™

Batch No. / Expiry Date: 33XCY3/2025-10-14

Reference Media: Standard Plate Count (SPC) Agar

Brand: Oxoid

Batch No. / Expiry Date: 3573499/ Nov 2027

Date Tested: 30 May 2024

## Project No: 24-149310-1A

NZRM 87Growth-NZRM 916aureus NZREscherichia coli NZRM 916GrowthGrowthAve. No. Colonies 3M Petrifilm93.2111Pseudomonas aeruginosa NZRM 918GrowthGrowth93.2111Pseudomonas aeruginosa NZRM 918GrowthAve. No. Colonies 3M Petrifilm93.2111BlankNo GrowthYou fill the second seco	BATCH PERFORMANCE CERTIFICATE					
Staphylococcus aureus NZRM 87Growth-Escherichia coli NZRM 916Staphylococ aureus NZREscherichia coli NZRM 916GrowthStaphylococ aureus NZREnterococcus faecalis NZRM 1106GrowthStaphylococ aureus NZRPseudomonas aeruginosa NZRM 918GrowthGrowth93.2111-Pseudomonas aeruginosa NZRM 2375Growth </th <th colspan="2">Qualitative Analysis</th> <th>C</th> <th colspan="3">Quantitative Analysis</th>	Qualitative Analysis		C	Quantitative Analysis		
NZRM 87Growth-NZRM 916aureus NZFEscherichia coli NZRM 916GrowthGrowthAve. No. Colonies 3M Petrifilm93.2111Ave. No. Colonies MZRM 918GrowthAve. No. Colonies 3M Petrifilm93.2111Pseudomonas aeruginosa NZRM 918GrowthAve. No. Colonies SPC92105.6Enterobacter cloacae NZRM 2375GrowthAve. No. Colonies SPC92105.6BlankNo Growth% Difference1.3%5.1%No Growth: No visible colonies observed.Quantitative analysis compares the recovery rate the test media to a reference media.Calculation: The percentage difference = [Ave. No. of Test Media Colonies x 100]- 100 Ave. No. of Reference Media Colonies Method: In House	Test Organism	Observed Growth	-	Test Organism		
NZRM 916GrowthNZRM 916GrowthEnterococcus faecalis NZRM 1106GrowthPseudomonas aeruginosa NZRM 918GrowthEnterobacter cloacae NZRM 2375GrowthBlankNo GrowthNo Growth: No visible colonies observed.% DifferenceMethod: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test media.% DifferenceBlank: S plates inoculated with 1ml sterile diluent.111Ave. No. Colonies SPC92105.6SPC% Difference1.3%5.1%Quantitative analysis compares the recovery rate the test media to a reference media.Calculation: The percentage difference = [Ave. No. of Test Media Colonies x 100] Ave. No. of Reference Media ColoniesBlank: 5 plates inoculated with 1ml sterile diluent.100		Growth	-		Staphylococcus aureus NZRM 87	
Enterococcus faecalis NZRM 1106Growth3M PetrifilmImage: Second seco		Growth		93.2	111	
NZRM 918 Growth   Enterobacter cloacae Growth   NZRM 2375 Growth   Blank No Growth   No Growth: No visible colonies observed.   Method: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test media.   Blank: 5 plates inoculated with 1ml sterile diluent.		Growth				
Enterobacter cloacae NZRM 2375 Growth SPC Food   Blank No Growth % Difference 1.3% 5.1%   Mo Growth: No visible colonies observed. % Difference 1.3% 5.1%   Method: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test media. Galculation: The percentage difference = [Ave. No. of Test Media Colonies x 100] - 100   Blank: 5 plates inoculated with 1ml sterile diluent. Method: In House - 100	5	Growth		92	105.6	
No Growth: No visible colonies observed.   Method: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test media.   Blank: 5 plates inoculated with 1ml sterile diluent.       Quantitative analysis compares the recovery rate the test media to a reference media.       Quantitative analysis compares the recovery rate the test media to a reference media.       Quantitative analysis compares the recovery rate the test media to a reference media.       Calculation: The percentage difference =   [Ave. No. of Test Media Colonies x 100] - 100   Ave. No. of Reference Media Colonies   Method: In House		Growth				
Method: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test media. the test media to a reference media.   Blank: 5 plates inoculated with 1ml sterile diluent. [Ave. No. of Test Media Colonies x 100] - 100   Method: In House	Blank	No Growth	% Difference	1.3%	5.1%	
Blank: 5 plates inoculated with 1ml sterile Ave. No. of Reference Media Colonies   diluent. Method: In House	Method: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test		Calculation: The percentage difference =			
Incubation Conditions: Aerobic 35°C/48 hours			Ave. No. of F	Ave. No. of Reference Media Colonies		
	Incubation Conditions: Aerol	pic 35°C/48 hours	Incubation Cor	Incubation Conditions: Aerobic 35°C/48 hours		

**Quantitative Interpretation:** The media performance is considered acceptable if the percentage difference between the test and non-selective reference media does not exceed ±10%.

**Qualitative Interpretation:** The media performance is considered acceptable if both positive growth of the target organism(s) and negative or no growth of non-target organism(s) is expressed.

The above criteria are testing laboratory In-house limits, which have been endorsed by 3M as a report interpretation guideline.

Results apply to samples of the Batch as received by the laboratory.

Authorised by:

Yu Cao Senior Scientist



Report Date: 04 Jun 2024

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