



69372

Skim Milk Plate Count Agar (SM Plate Count Agar)

Part D

Specifications

Appearance (Colour)	Beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	20.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light amber
Cultural Response	Inoculate and incubate at 37 ± 2°C for 18 - 24 hrs
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%
Organism	Bacillus cereus ATCC 10876
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%
Organism	Candida albicans ATCC 10231
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%
Organism	Lactococcus lactis species ATCC 19435
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%
Organism	Listeria monocytogenes ATCC 19118
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0%

Other Information

Applications

For the enumeration of bacteria in milk and dairy products.

Composition

Ingredients	gm/lt.
Tryptone	5.0
Yeast extract	2.5

Skim milk	1.0
Dextrose	1.0
Agar	10.5

Directions

1. Add 20.00 gm powder to 1000 ml distilled/purified water and mix thoroughly.
2. Allow to stand for 15 min.
3. Gently heat and bring to boiling with frequent agitation.
4. Autoclave at 15 psi pressure at 121°C for 15 min.

General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle
500 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms

Disclaimer

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