



82453

## Modified Skim Milk Agar (Modified SM Agar)

Part D

### Specifications

Appearance (Colour)	Cream
Appearance (Form)	Free flowing, homogeneous powder
Solubility	24.50 gm/liters
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
Gel strength (1.5% gel)	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 to medium amber
Cultural Response	Inoculate and incubate at 30°C for 18-24 hours and also at 6.5°C, if desired
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Good, Recovery Rate : ≥70.0%
Organism	Bacillus subtilis ATCC 6633
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Good, Recovery Rate : ≥70.0%
Organism	Clostridium prefrigenes ATCC 12924
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Good, Recovery Rate : ≥70.0%
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Inhibited
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Inhibited

### Other Information

#### Applications

For cultivation and enumeration of microorganisms encountered in dairy industries.

#### Composition

Ingredients	gm/lt.
Enzymatic hydrolysate of casein	5.00
Dextrose	1.00
Yeast extract	2.50

Skim milk powder	1.00
Agar	15.00

**Directions**

1. Add 24.50 gm powder to 1 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Autoclave at 15 psi pressure at 121°C for 15 minutes.

**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%)

**Available Packages**

- 100 Gms
- 500 Gms

**Disclaimer**

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