



21051

M-Staphylococcus Broth

Part D

Specifications

Appearance (Form)	free flowing, homogeneous powder
Solubility	104.55 gm/lit
Solubility before autoclaving (Clarity)	Light to medium amber, clear solution without any precipitate
pH (25°C)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear solution without any precipitate
Prepared Medium Appearance after autoclaving (Colour)	Light to medium amber
Cultural Response	2 ml of M-Staphylococcus broth is used to saturate sterile absorbent cotton pads. Inoculate and incubate at 35°C - 37°C for 18-48 hours with the following organisms. Observe membrane for growth and pigment production. Mannitol fermentation can be visualized as yellow colouration by addition of few drops of bromothymol blue to areas from where colonies have been removed.
Organism	Enterococcus faecalis ATCC 29212
Inoculum	Inoculum (cfu): $\geq 10^3$ Growth: Inhibited
Organism	Streptococcus pyogenes ATCC 19615
Inoculum	Inoculum (cfu): $\geq 10^3$ Growth: Inhibited
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth: Good
Organism	Staphylococcus epidermidis ATCC 12228
Inoculum (cfu) 10-100	Growth: Good
Organism	Escherichia coli ATCC 25922
Inoculum	Inoculum (cfu): $> 10^3$ Growth: Inhibited

Other Information

Applications

Used for detection and isolation of Staphylococci by membrane filter technique.

Composition	
Ingredients	gms/lt.
Casein enzymic hydrolysate	10.00
Yeast extract	2.50
Lactose	2.00
Mannitol	10.00
Dipotassium hydrogen phosphate	5.00

Sodium chloride 75.00

Sodium azide 0.049

Directions

1. Add 104.55 gm powder to 1.0 liter of distilled/ purified water and mix thoroughly.
2. Gently heat to boiling for 5 minutes.
3. Do not autoclave.

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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