



19156

Coagulase Mannitol Agar Base

Part D

Specifications

Appearance (Colour)	Light grey
Appearance (Form)	Free flowing, homogeneous powder
Solubility	47.02 gm/liter
Solubility before autoclaving (Clarity)	Slightly opalescent
Gel strength (1.5% gel)	Firm, comparable with 1.45% agar gel
pH (25°C)	7.4 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Purple
Cultural Response	Inoculate and incubate at 35 ± 2°C for 18-48 hours
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Mannitol fermentation : Positive reaction, yellow color Coagulase production : positive reaction, opaque zone around the colonies
Organism	Staphylococcus epidermidis ATCC 12228
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Mannitol fermentation : Negative reaction, purple color Coagulase production : Negative reaction, no formation of opaque zone around the colonies -

Other Information

Applications

For the cultivation, differentiation of Staphylococcus aureus from other Staphylococcus species, based on coagulase production and mannitol fermentation.

Composition

Ingredients	gms/lt.
Brain heart infusion	5.00
Tryptone	10.50
Soyatone	3.50
Sodium chloride	3.50
Mannitol	10.00
Bromocresol Purple	0.02
Agar	14.50

Directions

1. Add 47.02 gm powder to 1.0 liter of 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.
4. Cool to 45-50°C and add 7-15% sterile, rabbit plasma to the basal medium.
5. Mix well and pour in sterile petri plates.

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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