



79667

M-TEC Agar

Part D

Specifications

Appearance (Colour)	Beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	45.26 gram/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.3 ± 0.2
Prepared Medium Appearance after autoclaving (Colour)	Dark purple w/red cast
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Cultural Response	Inoculate and Incubate at 37°C ± 2°C for 2 hours and at 44-45°C for 18 - 22 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum	Growth : Inhibited

Other Information

Applications

Recommended medium for isolation, differentiation and enumeration of Escherichia coli from water by membrane filtration.

Composition	
Ingredients	gm/lt.
Proteose peptone	5.00
Yeast extract	3.00
Lactose	10.00
Sodium chloride	7.50
Sodium lauryl sulphate	0.20
Sodium deoxycholate	0.10
Potassium dihydrogen phosphate	1.00
Dipotassium hydrogen phosphate	3.30
Bromocresol Purple	0.080
Bromophenol Red	0.080
Agar	15.00

Directions

1. Add 45.26 gm powder to 1.0 litre 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%)
Type of Packing	
100 Gms	Plastic Bottle
500 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms

Disclaimer

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