



26569

Ashby's Mannitol Agar

Part D

Specifications

Appearance (Colour)	Off white
Appearance (Form)	Free flowing, homogeneous powder
Solubility	40.70 gm/liter.
Solubility before autoclaving (Clarity)	Opalescent.
Gel strength (1.5% gel)	Firm, comparable with 1.5% Agar gel.
pH (25°C)	7.4 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Opalescent.
Prepared Medium Appearance after autoclaving (Colour)	Whitish
Cultural Response	Inoculate and incubate at 30°C- 35°C for upto 5 days.
Organism	Azotobacter nigricans ATCC 35009
Inoculum (cfu) 10-100	Growth : Good
Organism	Azotobacter vinelandii ATCC 478
Inoculum (cfu) 10-100	Growth : Good

Other Information

Applications

For the cultivation of Azotobacter species that can utilize mannitol as carbon and atmospheric nitrogen as nitrogen source.

Composition

Ingredients	gm/lt.
Mannitol	20.00
Dipotassium phosphate	0.20
Magnesium sulphate	0.20
Sodium chloride	0.20
Potassium sulphate	0.10
Calcium carbonate	5.00
Agar	15.00

Directions

1. Add 40.70 gm powder to 1.0 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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