



53903

Asparagine Nitrate Medium

Part D

Specifications

Appearance (Colour)	White to cream
Appearance (Form)	Free flowing, homogeneous powder
Solubility	27.7 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
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 25°C - 30°C for upto 7 days.
Organism	Bacillus subtilis ATCC 6633
Inoculum (cfu) 10-100	Growth : Good
Organism	Micrococcus luteus ATCC 10240
Inoculum (cfu) 10-100	Growth : Good
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Good
Organism	Achromobacter denitrificans ATCC 14648
Inoculum (cfu) 10-100	Growth : Good

Other Information

Applications

Recommended media for isolation and cultivation of denitrifying bacteria.

Composition	
Ingredients	gm/lt.
L-Asparagine	1.00
Sodium citrate	8.50
Potassium nitrate	1.00
Potassium Dihydrogen Phosphate	1.00
Magnesium sulphate	1.00
Calcium chloride	0.20
Ferric chloride	0.0001
Agar	15.00

Directions

1. Add 27.7 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.

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%)
Type of Packing	
100 Gms	Plastic Bottle

Available Packages

100 Gms

Disclaimer

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