47479

Bacillus Differentiation Agar

Part D

Specifications

Appearance (Colour)	Light yellow to light green
Appearance (Form)	Free flowing, homogeneous powder
Solubility	22.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength (1.5% gel)	Firm, comparable with 1.54% agar gel
pH (25°C)	7.2 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light purple
Cultural Response	Inoculate and incubate at 37°C ± 2°C for 18 - 24 hours.
Organism	Bacillus subtilis ATCC 6633
Inoculum (cfu) 10-100	Growth : Good Recovery : =>70% Colour : Yellow
Organism	Bacillus cereus ATCC 10876
Inoculum (cfu) 10-100	Growth : Good Recovery : =>70% Colour : Colourless

Other Information

Applications

Used for the differentiation between Bacillus cereus and Bacillus subtilis based on mannitol fermentation.

Composition	
Ingredients	gms/lt.
Mannitol	5.00
Yeast autolysate	0.20
Monohydrogen ammonium phosphate	1.00
Potassium chloride	0.20
Magnesium sulphate	0.20
Bromocresol purple	0.0075
Agar	15.40

Directions

1. Add 22.00 gm powder to distilled/purified water.
2. Bring volume to 1.0 litre and mix thoroughly.
3. Gently heat and bring to boiling.
4. 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	38151290 (GST 18%)
500 Gms	38151290 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms

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