



97676

B.C.P. - D.C.L.S. Agar

Part D

Specifications

Appearance (Colour)	Beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	67.52 gm/liter
Solubility before boiling (clarity)	Clear to slightly opalescent
Gel strength (1.5% gel)	Firm, comparable with 1.5% agar gel
pH (25°C)	7.2 ± 0.2
Prepared medium appearance after boiling (clarity)	Clear to slightly opalescent
Prepared medium appearance after boiling (colour)	Purple coloured
Cultural Response	Inoculate and incubate at 35-37°C for 18-24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : None-poor Recovery rate : =10.0% Colour of colony : yellow
Organism	Proteus mirabilis ATCC 12453
Inoculum (cfu) 10-100	Growth : None-poor Recovery rate : =10.0% Colour of colony : colourless
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good Recovery rate : =50.0% Colour of colony : colourless may show faint bluish coloured colonies
Organism	Shigella dysenteriae ATCC 13313
Inoculum (cfu) 10-100	Growth : Good Recovery rate : =50.0% Colour of colony : colourless may show faint bluish coloured colonies
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Recovery rate : =50.0% Colour of colony : colourless may show faint bluish coloured colonies
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery rate : =50.0% Colour of colony : colourless may show faint bluish coloured colonies
Organism	Shigella sonnei ATCC 25931
Inoculum (cfu) 10-100	Growth : Good Recovery rate : =50.0% Colour of colony : colourless may show faint bluish coloured colonies

Other Information

Applications

Used for the selective isolation of Salmonella and Shigella species.

Composition

Ingredients	gm/lt.
Peptic digest of animal tissue	5.00
Yeast extract	3.00
Beef extract(ex.buffalo)	3.00
Pancreatic digest of casein	5.00
Lactose	7.50
Sucrose	7.50
Sodium citrate	10.00
Sodium chloride	5.00
Sodium thiosulphate	5.00
Sodium deoxycholate	2.50
Bromocresol Purple	0.02
Agar	14.00

Directions

1. Add 67.52 gm powder to 1.0 litre distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Cool to 45- 50°C.
4. Do not autoclave.

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

Available Packages

100 Gms

500 Gms

Disclaimer

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