



96871

MacConkey Agar BioVeg

Part D

Specifications

Appearance (Colour)	Pinkish biege
Appearance (Form)	Free flowing, homogeneous powder
Solubility	51.50 gm/liter
Solubility before autoclaving (Clarity)	Very slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.1 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Reddish purple
Cultural Response	Inoculate and incubate at 37° C for 18 - 24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : Pink w/bile precipitate
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : Pink to red
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : Pink mucoid
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : colourless
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : colourless
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : colourless
Organism	Proteus mirabilis ATCC 12453
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : colourless
Organism	Staphylococcus aureus ATCC 25923
Inoculum	Growth : Inhibited
Organism	Salmonella Paratyphi B
Inoculum (cfu) 10-100	Growth : Good Recovery : >=50.0% Colony colour : colourless
Organism	Shigella flexneri ATCC 12022

Inoculum (cfu) 10-100

Growth : Good
Recovery : >=40.0%
Colony colour : colourless

Other Information

Applications

For the selective isolation, cultivation and differentiation of coliforms and enteric pathogens based on ability to ferment lactose.

Composition

Ingredients	gm/lt.
Veg. Peptone	17.00
Agar	15.00
Lactose	10.00
Sodium chloride	5.00
Synthetic detergent	1.50
Veg. Hydrolysate	3.00
Neutral Red	0.03
Crystal Violet	0.001

Directions

1. Add 51.50 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%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle

Available Packages

100 Gms

500 Gms

Disclaimer

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