



58370

MacConkey Agar w/ 0.15% Bile salts, C.V. and NaCl (U/P)

Part D

Specifications

Appearance (Colour)	Pinkish beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	51.50 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.1 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Red with purplish tinge
Cultural Response	Inoculate and incubate at 35 ± 2°C for 18-24 hours
Organism	Escherichia coli ATCC 25922 Growth : Good Recovery Rate : >=50.0% Colony colour : Pink to red w/bile precipitate
Inoculum (cfu) 10-100	
Organism	Enterobacter aerogenes ATCC 13048 Growth : Good Recovery Rate : >=50.0% Colony colour : Pink to red
Inoculum (cfu) 10-100	
Organism	Klebsiella pneumoniae ATCC 13883 Growth : Good Recovery Rate : >=50.0% Colony colour : Pink to red, mucoid
Inoculum (cfu) 10-100	
Organism	Salmonella typhimurium ATCC 14028 Growth : Good Recovery Rate : >=50.0% Colony colour : Colourless
Inoculum (cfu) 10-100	
Organism	Pseudomonas aeruginosa ATCC 27853 Growth : Good Colony colour : Colourless
Inoculum (cfu) 10-100	
Organism	Proteus vulgaris ATCC 13315 Growth : Good Recovery Rate : >=50.0% Colony colour : Colourless
Inoculum (cfu) 10-100	
Organism	Shigella flexneri ATCC 12022 Growth : Fair-good Recovery Rate : >=10.0% Colony colour : Colourless
Inoculum (cfu) 10-100	
Organism	Proteus mirabilis ATCC 12453 Growth : Good Recovery Rate : >=50.0% Colony colour : Colourless
Inoculum (cfu) 10-100	
Organism	Enterococcus faecalis ATCC 29212

Inoculum (cfu) 10-100

Growth : Fair-good
Recovery Rate : >=10.0%
Colony colour : pale pink- red
Staphylococcus aureus
ATCC 25923
>=10³
Growth : Inhibited

Organism

Inoculum

Other Information

Applications

Selective medium for gram-negative organisms by suppressing the growth of a number of gram positive bacteria.

Composition

Ingredients	gms/lt.
Peptic digest of animal tissue	1.50
Pancreatic digest of gelatin	17.00
Enzymatic hydrolysate of casein	1.50
Agar	15.00
Lactose	10.00
Bile salts	1.50
Sodium chloride	5.00
Crystal Violet	0.001
Neutral Red	0.03

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
500 Gms	Plastic Bottle

Available Packages

100 Gms

500 Gms

Disclaimer

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