



72074

MacConkey Agar No.3

Part D

Specifications

Appearance (Colour)	Pinkish beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	51.53 gm/liter
Solubility before autoclaving (Clarity)	Slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
Prepared Medium Appearance after autoclaving (Clarity)	Slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Reddish purple
Cultural Response	Inoculate and incubate at 35°C for 18-24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : pink w/bile precipitate
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : colourless
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : pink to red
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : colourless
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless
Organism	Enterococcus faecalis ATCC 29212
Inoculum (cfu) 10-100	Growth : Fair-good Recovery rate : > 40.0% Colony colour : pale pink to red
Organism	Proteus mirabilis ATCC 12453
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless
Organism	Salmonella paratyphi A
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless
Organism	Salmonella paratyphi B
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless

Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : colourless
Organism	Staphylococcus aureus ATCC 25923
Inoculum	>=10 ³ , Growth : Inhibited

Other Information

Applications

For the selective isolation, cultivation and differentiation between coliforms and non -lactose fermentors.

Composition	
Ingredients	gm/lt.
Peptic digest of animal tissue	20.00
Bile salts no. 3	1.50
Lactose	10.00
Sodium chloride	5.00
Neutral Red	0.03
Crystal Violet	0.001
Agar	15.00

Directions

1. Add 51.53 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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