



70637

Lactose TTC Agar (w/ Tergitol 7) (I)

Part D

Specifications

Appearance (Colour)	Yellow with greenish tinge
Appearance (Form)	Free flowing, homogeneous powder
Solubility	56.15 gms/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% 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)	Green
Cultural Response	Inoculate and incubate at 37°C for 18 - 24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Colony colour : orange yellow with yellow corona
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Good Colony colour : red with blue corona
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Colony colour : red with blue corona
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Colony colour : red with blue corona
Organism	Proteus mirabilis ATCC 25933
Inoculum (cfu) 10-100	Growth : Good Colony colour : red with blue corona
Organism	Staphylococcus aureus ATCC 25923
Inoculum	Growth : Inhibited

Other Information

Applications

Selective differential medium for the detection and enumeration of Escherichia coli and coliform bacteria in water using the membrane filtration method.

Composition

Ingredients	gms/lt.
Lactose	20.00
Peptone	10.00
Yeast extract	6.00
Meat extract	5.00

Tergitol-7	0.10
Bromothymol Blue	0.05
Agar	15.00

Directions

1. Add 56.15 gm powder to 1.0 liter 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.
4. Cool to 45-50°C and aseptically add 2.5 ml of 1% TTC solution (55052). Mix well.

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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