



37593

Fraser Broth Base

Part D

Specifications

Appearance (Colour)	Cream, free flowing, homogeneous powder
Solubility	28.7 gm/500ml
Solubility before autoclaving (Clarity)	Clear solution with very slight precipitate
pH (25°C)	7.2 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear solution with very slight precipitate
Prepared Medium Appearance after autoclaving (Colour)	Medium amber to amber (without addition of supplement) Medium amber to yellow clear solution with very slight precipitate (after addition of supplement)
Cultural Response	Inoculate and incubate at 35 ± 2°C for 24-48 hrs
Organism	Listeria monocytogenes ATCC 19118
Inoculum (cfu) 10-100	Growth : Good, Esculin Hydrolysis : +(positive, blackening of medium)
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	>=10 ³ Growth : Inhibited Esculin Hydrolysis : -(negative, no blackening of medium)
Organism	Listeria monocytogenes ATCC 19117
Inoculum (cfu) 10-100	Growth : Good, Esculin Hydrolysis : +(positive, blackening of medium)
Organism	Escherichia coli ATCC 25922
Inoculum	>=10 ³ Growth : Inhibited Esculin Hydrolysis : -(negative, no blackening of medium)

Other Information

Applications

Recommended selective, enrichment medium for the isolation of Listeria species.

Composition	
Ingredients	gm/lt.
Proteose peptone	5.00
Tryptone	5.00
Beef extract(ex.buffalo)	5.00
Yeast extract	5.00
Sodium chloride	20.00

Disodium hydrogen phosphate	12.00
Potassium dihydrogen phosphate	1.35
Esculin	1.00
Lithium chloride	3.00

Directions

1. Add 28.7 gm powder to 500ml distilled/purified water.
2. Mix well to dissolve completely.
3. Autoclave at 15 psi pressure at 121°C for 15 minutes.
4. Cool to 45-50°C & add aseptically add the contents of 1 vial of Fraser Selective Supplement (52071) or as desired.

Note : Lithium chloride is harmful. Avoid bodily contact and inhalation of vapours.

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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