



25549

EC Medium (EC Broth)

Part D

Specifications

Appearance (Colour)	Cream
Appearance (Form)	Free flowing, homogeneous powder
Solubility	37.00 gm/liter
Solubility before autoclaving (Clarity)	Clear
pH (25°C)	6.9 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear
Prepared Medium Appearance after autoclaving (Colour)	Medium amber
Cultural Response	Inoculate and incubate at 44.5 °C ± 0.2 for 24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Gas production : +ve
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Fair-Good Gas production : -ve
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Gas production : +ve
Organism	Enterobacter aerogenes ATCC 13048
Inoculum	Growth : Inhibited
Organism	Bacillus subtilis ATCC 6633
Inoculum	Growth : Inhibited
Organism	Enterococcus faecalis ATCC 29212
Inoculum	Growth : Inhibited

Other Information

Applications

For the differentiation and enumeration of coliforms in water, wastewater, shellfish and foods.

Composition

Ingredients	gm/lt.
Enzymatic hydrolysate of casein	20.00
Lactose	5.00
Sodium chloride	5.00
Bile salts mixture	1.50
Dipotassium phosphate	4.00
Monopotassium phosphate	1.50

Directions

1. Add 37.00 gm powder to distilled/purified water.
2. Bring volume to 1.0 liter and mix thoroughly.
3. Gently heat and bring to boiling.
4. Dispense into tubes containing inverted Durham's tubes.
5. 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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