



66389

EC Medium w/MUG

Part D

Specifications

Appearance (Colour)	Light beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	37.05 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)	Light amber
Cultural Response	Inoculate and incubate at the following temperature for 24 hours.
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth/Gas production at 35°C : Good/ +ve Growth/Gas production at 44.5°C : Good/ +ve Fluorescenc : +ve
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth/Gas production at 35°C : Good/ +ve Growth/Gas production at 44.5°C : Inhibited/-ve Fluorescenc : -ve
Organism	Enterococcus faecalis ATCC 19433
Inoculum (cfu) 10-100	Growth/Gas production at 35°C : Inhibited/-ve Growth/Gas production at 44.5°C : Inhibited/-ve Fluorescenc : -ve

Other Information

Applications

Used for the fluorogenic detection of Escherichia coli in water, food and milk samples.

Composition

Ingredients	gms/lt.
Tryptose	20.00
Lactose	5.00
Sodium chloride	5.00
Bile salts mixture	1.50
Dipotassium phosphate	4.00
Monopotassium phosphate	1.50
4-Methylumbelliferyl-b-D-glucuronide	0.05

Directions

1. Add 37.05 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.

Notes

EC Medium w/MUG is not intended for use in the diagnosis of disease or other conditions in humans.

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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