



95514

## EMB Agar

Part D

### Specifications

Appearance (Colour)	Pinkish purple
Appearance (Form)	Free flowing, homogeneous powder
Solubility	35.96 gm/liter
Solubility before autoclaving (Clarity)	Opalescent, with a uniform precipitate
Gel strength (1.5% gel)	Firm, comparable with 1.5% agar gel
pH (25°C)	7.2 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Opalescent, with finely dispersed precipitate
Prepared Medium Appearance after autoclaving (Colour)	Purple w/green orange cast
Cultural Response	Inoculate and incubate at 37°C for 18 - 24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >= 50.0% Colony colour : Blue- black w/dark centers with green metallic sheen
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >= 50.0% Colony colour : Pink without sheen
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >= 50.0% Colony colour : Colourless
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >= 50.0% Colony colour : Pink mucoid
Organism	Proteus mirabilis ATCC 25933
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >= 50.0% Colony colour : Colourless
Organism	Enterococcus faecalis ATCC 29212
Inoculum (cfu) 10-100	Growth : Partially inhibited Colony colour : Colourless
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth : Inhibited

### Other Information

#### Applications

For the isolation, cultivation and differentiation of gram negative enteric bacteria based on lactose fermentation.

#### Composition

Ingredients

gm/lt.

Peptone	10.00
Agar	13.50
Lactose	5.00
Sucrose	5.00
Dipotassium hydrogen phosphate	2.00
Eosin Y	0.40
Methylene Blue	0.065

**Directions**

1. Add 35.96 gm powder to distilled/purified water.
2. Bring volume to 1.0 liter and mix thoroughly.
3. Gently heat and bring to boiling.
4. 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
500 Gms	Plastic Bottle

**Available Packages**

100 Gms
500 Gms

**Disclaimer**

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