68100

Hektoen Enteric Agar

Part D

Specifications

Appearance (Colour)	Light beige, may have a slight green cast
Appearance (Form)	Free flowing, homogeneous powder
Solubility	75.66 gm/liter.
Solubility before autoclaving (Clarity)	Slightly opalescent.
Gel strength	Firm, comparable with 1.5 % Agar gel.
pH (25°C)	7.5 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Slightly opalescent.
Prepared Medium Appearance after autoclaving (Colour)	Green with yellowish cast.
Cultural Response	Incubate at 35 ± 2°C for 18-24 hours.
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ~50.0% Colony colour : greenish blue with black centres.
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Fair - Good Recovery Rate :30.0% Colony colour : salmon orange,may have bile precipitate.
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Fair - Good Recovery Rate :30.0% Colony colour : salmon orange.
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Recovery Rate :~40.0 - 50.0% Colony colour : greenish blue

Other Information

Applications

Used for the isolation and cultivation of gram negative enteric microorganisms from a variety of clinical and non clinical specimens.

Composition	
Ingredients	gms/lt.
Proteose peptone	12.00
Yeast extract	3.00
Bile salts no. 3	9.00
Lactose	12.00
Sucrose	12.00
Salicin	2.00
Sodium chloride	5.00

Sodium thiosulfate	5.00
Ferric ammonium citrate	1.50
Agar	15.00
Bromothymol Blue	0.065
Acid Fuchsin	0.10

Directions

1. Add 75.66 gm powder to distilled/purified water.
2. Bring volume to 1.0 liter and mix thoroughly.
3. Gently heat and bring to boiling.
4. Do not autoclave.
5. Dispense into sterile petri plates.

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

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