96434

Nutrient Agar, pH 7.0 (I)

Part D

Specifications

Appearance (Colour)	Beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	23.00 gm/lit
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% Agar gel
pH (25°C)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light to medium amber
Cultural Response	Inoculate and incubate at 35 ± 2°C for 18-24 hours with the following:
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth: Good Recovery Rate :>=70.0%
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth: Good Recovery Rate :>=70.0%
Organism	Enterococcus faecalis ATCC 29212
Inoculum (cfu) 10-100	Growth: Good Recovery Rate :>=70.0%
Organism	Staphylococcus aureus ATCC 25923
Inoculum	Growth: Good Recovery Rate :>=70.0%
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth: Good Recovery Rate :>=70.0%
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth: Good Recovery Rate :>=70.0%
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth: Good Recovery Rate :>=70.0%

Other Information

Applications

For the cultivation of a wide variety of microorganisms,including Salmonella species

Composition

Ingredients	gms/lt.
Agar	15.00
Peptic digest of animal tissue	5.00
Beef extract (ex.buffalo)	3.00

Directions

1. Add 23.00 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Autoclave at 15 psi pressure at 121°C for 15 minutes.
4. Cool to 45-50°C and if desired,add 5-10% v/v sterile defibrinated blood.Mix well.

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	
500 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms