93306

Christensen Citrate Agar

Part D

Specifications

Appearance (Colour)	Light pink
Appearance (Form)	Free flowing, homogeneous powder
Solubility	24.81 gm/liter
Solubility before autoclaving (Clarity)	Very slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	6.9 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Orange red
Cultural Response	Inoculate and incubate at 35 ± 2°C for 24-48
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth- Good, Colour of the slant- Cerise
Organism	Salmonella serotype Typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth- Good, Colour of the slant- Cerise
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth- Good, Colour of the slant- No change
Organism	Salmonella serotype Enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth- Good, Colour of the slant- Cerise
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth- Good, Colour of the slant- Orange to pink

Other Information

Applications

For the differentiation of enteric pathogens based on their ability to utilize citrate as a carbon source.

Composition	
Ingredients	gm/lt.
Yeast extract	0.50
L-Cysteine hydrochloride	0.10
Sodium citrate	3.00
Dextrose	0.20
Monopotassium phosphate	1.00
Sodium chloride	5.00
Phenol Red	0.012
Agar	15.00

Directions

1. Add 24.81 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Dispense into test tubes.
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

Available Packages

100 Gms
500 Gms

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