



75955

ChroMed E.coli Agar

Part D

Specifications

Appearance (Colour)	Light yellow
Appearance (Form)	Free flowing, homogeneous powder
Solubility	36.57 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
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)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light yellow
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- green
Organism	Staphylococcus aureus ATCC 25923
Inoculum	10 ³
Organism	Growth : Inhibited Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : colourless

Other Information

Applications

Recommended chromogenic medium, used for the detection and enumeration of Escherichia coli and coliforms from food samples.

Principle

Casein enzyme hydrolysate provides the nitrogenous sources for the growth. Bile salts inhibits the growth of gram-positive organisms. X-glucuronide is the chromogenic substrate which is activated upon by the enzyme glucuronidase, resulting in blue-green colonies.

Composition

Ingredients	gms/lt.
Tryptone	20..
Bile Salts mixture	1.50
X-Glucuronide	0.075
Agar	15.00

Directions

1. Add 36.57 gm powder to 1.0 liter of 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.

General Information

Storage	2 to 8°C (Refrigerate)
Shelf Life	24 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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