



96599

## ChroMed ECC Agar

Part D

### Specifications

Appearance (Colour)	Cream
Appearance (Form)	Free flowing, homogeneous powder
Solubility	55.83 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	6.8 ± 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 37 ± 2°C for 18 - 24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony characteristics : Blue-dark violet colonies
Organism	Escherichia coli ATCC 8739
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony characteristics : Blue-dark violet colonies
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony characteristics : Colourless colonies
Organism	Enterococcus faecalis ATCC 29212
Inoculum	Growth : Inhibited

### Other Information

#### Applications

Differential medium recommended for presumptive identification of Escherichia coli and other coliforms in food and environmental samples.

## Principle

Peptone and Yeast extract provides the nitrogenous sources of nutrition and other essential growth nutrients. Disodium phosphate and Potassium dihydrogen phosphate serves as buffering agents. Lactose is the fermentable carbohydrate source and Sodium chloride maintains the osmotic equilibrium. Glucuronidase present in E coli, cleaves one of the chromogenic substrates to yield blue to violet colonies. The other chromogenic substrate is cleaved by majority of coliforms (due to activity of enzyme galactosidase) resulting in formation of rose-pink coloured colonies.

## Composition

Ingredients	gm/lt.
Peptone	5.00
Yeast extract	3.00
Lactose	2.50
Disodium hydrogen phosphate	3.50
Potassium dihydrogen phosphate	1.50
Sodium chloride	5.00
Chromogenic mixture	14.50
Agar	15.00

## Directions

1. Add 55.83 gm powder to 1.0 liter distilled/purified water.
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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