



42436

ChroMed Chromogenic Coliform Agar (CCA) (I)

Part D

Specifications

Appearance (Colour)	Cream
Appearance (Form)	Free flowing, homogeneous powder
Solubility	31.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
Gel strength (1.5% gel)	Firm, comparable with 1.5% 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)	Cream to yellow
Cultural Response	Inoculate and incubate at 35-37°C for 18-24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good, Recovery : >=70%, Colony colour : Dark blue to violet
Organism	Escherichia coli ATCC 8739
Inoculum (cfu) 10-100	Growth : Good, Recovery : >=70%, Colony colour : Dark blue to violet
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good, Recovery : >=70%, Colony colour: Pale pink to pink
Organism	Citrobacter freundii ATCC 43864
Inoculum (cfu) 10-100	Growth : Good, Recovery : >=70%, Colony colour: Pale pink to pink
Organism	Pseudomonas aeruginosa ATCC 10145
Inoculum (cfu) 10-100	Growth : Good, Recovery : >=70%, Colony colour : Colourless
Organism	Enterococcus faecalis ATCC 19433
Inoculum	>=10 ³ , Growth : Inhibited

Other Information

Applications

For detection of Escherichia coli and coliforms in water samples as per ISO standards 9308-1:2014.

Principle

Enzymatic digest of casein and Yeast extract provides the nitrogenous substances, fermentable carbohydrates & other essential growth nutrients for the growth of organisms. Monosodium phosphate and Disodium phosphate buffers the medium. Tergitol-7 inhibits gram positive as well as gram negative organisms other than coliforms.

Composition

Ingredients

gm/lt.

Enzymatic digest of casein	1.00
Yeast extract	2.00
Sodium chloride	5.00
Monosodium phosphate	2.20
Disodium phosphate	2.70
Sodium pyruvate	1.00
D-Sorbitol	1.00
Tryptophan	1.00
Tergitol-7	0.150
6-chloro-3-indoxyl -?-D galactopyranoside	0.20
5-bromo-4-chloro-3-indoxyl-?-d- glucuronic acid cyclohexamine ammonium salt	0.10
IPTG (Isopropyl-?-D-thiogalactopyranoside)	0.10
Agar	15.00

Directions

1. Add 31.00 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Do not Autoclave. Do not overheat.

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%)
50 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle
500 Gms	Plastic Bottle

Available Packages

50 Gms
100 Gms
500 Gms

Disclaimer

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