



45615

ChroMed Listeria Agar (I)

Part D

Specifications

Appearance (Colour)	Cream to yellow
Appearance (Form)	Free flowing, homogeneous powder
Solubility	69.05 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.2 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Slightly opalescent gel
Prepared Medium Appearance after autoclaving (Colour)	Yellow
Cultural Response	Inoculate and incubate at 30-37°C for 24-48 hours
Organism	Listeria monocytogenes ATCC 19118
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ≥ 50.0% Colony colour : Blue/green plus halo
Organism	Listeria innocua ATCC 33090
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ≥ 50.0% Colony colour : Blue/green no halo
Organism	Escherichia coli ATCC 25922
Inoculum	Growth : Inhibited

Other Information

Applications

A selective and differential chromogenic medium recommended for rapid and direct identification of listeria species.

Principle	Enzymatic digest of animal tissue, enzymatic digest of casein and Yeast extract provides the nitrogenous sources of nutrients. Lithium chloride inhibits the non-targeted organisms. The combination of phospholipase enzyme reaction and chromogenic substrate aids in easy differentiation of Listeria monocytogenes (blue colonies surrounded by opaque halo), from other Listeria species.
Composition	
Ingredients	gm/lt.
Enzymatic digest of animal tissue	18.00
Enzymatic digest of casein	6.00
Sodium pyruvate	2.00
Glucose	2.00
Magnesium glycerophosphate	1.00

Magnesium sulphate anhydrous	0.50
Sodium chloride	5.00
Yeast extract	10.00
Lithium Chloride	10.00
Disodium hydrogen phosphate anhydrous	2.50
Chromogenic mixture	0.50
Agar	12.00

Directions

1. Add 34.50 gm powder to 480ml 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. If desired, aseptically add 1 vial of listeria selective supplement, mix well.

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
500 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms

Disclaimer

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