



27880

ChroMed Aureus Agar

Part D

Specifications

Appearance (Colour)	Light yellow
Appearance (Form)	Free flowing, homogeneous powder
Solubility	63.10 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)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light amber
Cultural Response	Inoculate and incubate at 35°C for 24-48 hours
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth : Good Colony colour : Brown-black Recovery Rate : 50.0% Lecithinase activity : Positive Reaction(Halo or clear zone around colony)
Organism	Listeria monocytogenes ATCC 19112
Inoculum (cfu) 10-100	Growth : Good Colony colour : Blue Recovery Rate : 40.0% Lecithinase activity : Negative
Organism	Micrococcus luteus ATCC 10240
Inoculum	Growth : None to Poor Colony colour : Colourless Recovery Rate : =10.0% Lecithinase activity : Negative
Organism	Staphylococcus epidermidis ATCC 12228
Inoculum	Growth : Poor Colony colour : Yellow - Brownish Recovery Rate : =10.0% Lecithinase activity : Negative
Organism	Escherichia coli ATCC 25922
Inoculum	Growth : None to Poor Colony colour : Colourless Recovery Rate : =10.0% Lecithinase activity : Negative
Organism	Bacillus subtilis ATCC 6633
Inoculum	Growth : None to Poor Colony colour : Colourless Recovery Rate : =10.0% Lecithinase activity : Negative

Other Information

Applications

A chromogenic medium used for the identification of Staphylococcus aureus.

Principle

Casein enzymic hydrolysate, Pancreatic digest of gelatin, Beef extract (ex. buffalo) and Yeast extract provides nitrogenous requirements and other essential growth nutrients. Sodium pyruvate protects injured cells and enhances in growth of Staphylococcus sps. Lithium chloride and Potassium tellurite inhibits most of the contaminating microflora except Staphylococcus aureus. Addition of egg yolk yields in exhibition of proteolytic activity by producing clear zone around the colony.

Composition

Ingredients	gm/lt.
Casein enzymic hydrolysate	12.00
Pancreatic digest of gelatin	3.00
Beef extract (ex.buffalo)	6.00
Yeast extract	5.00
Sodium pyruvate	10.00
Lithium chloride	5.00
Chromogenic mixture	2.10
Agar	20.00

Directions

1. Add 63.10 gm powder to 950 ml 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.
4. Cool to 50°C and add aseptically 50ml Egg yolkTellurite emulsion.

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%)

Available Packages

100 Gms

500 Gms

Disclaimer

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