11266

Glutamate Starch Phenol Red Agar Base

Part D

Specifications

Appearance (Colour)	Light yellow to orange
Appearance (Form)	Free flowing,homogeneous powder
Solubility	44.86 gms/lit.
pH	(at 25°C) 7.2±0.2
Solubility before autoclaving (Colour)	Red
Solubility before autoclaving (Clarity)	Slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Red
Gel strength	Firm ,comparable with 1.2% agar gel.
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Cultural Response	Inoculate and incubate at 25-30°Cfor 48-72 hours. (Cultural characteristics observed on addition of 100 lU/ml Penicillin G, sodium salt and 0 mcg/ml Pimaricin)
Organism	Aeromonas hydrophila ATCC 7966
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Starch Hydrolysis: positive reaction,acid production,yellow colour
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Recovery Rate : >=50.0% Starch Hydrolysis: negative reaction,no acid production

Other Information

Applications

Used for detection of Pseudomonas and Aeromonas in foodstuffs, wastewater and equipment in food industry.

Composition	
Ingredients	gms/lt.
L-Glutamate, sodium	10.00
Starch, soluble	20.00
Potassium dihydrogen phosphate	2.00
Magnesium sulphate	0.50
Phenol Red	0.36
Agar	12.00

Directions

1. Add 44.86 grams in 1000 ml distilled/purified water.
2. Gently heat and bring to boiling to dissolve the medium completely.
3.Autoclave at 15 psi pressure at 121°C for 15 minutes.
4.Cool to 45-50°C and add 100 lU/ml Penicillin G, sodium salt and if desired,add 10 mcg/ml Pimaricin.
5. Mix well and dispense as desired.

General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400 099, Maharashtra, India. Telephone: +91-22-4268 5800, Email: info@srlchem.com, website www.srlchem.com