



18339

Urea Agar, Base (I) (B/S)

Part D

Specifications

Appearance (Colour)	Light orange
Appearance (Form)	Free flowing, homogeneous powder
Solubility	24.00 gm/liter
Solubility before autoclaving (Clarity)	Clear
pH (25°C)	6.8 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear
Prepared Medium Appearance after autoclaving (Colour)	Yellowish orange
Cultural Response	Inoculate and incubate at 37°C for 18-24 hours
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good, Urease production : +
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good, Urease production : +
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good, Urease production : -
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good, Urease production : -
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good, Urease production : -

Other Information

Applications

Used for the detection of urease production by Proteus species and for identification of other members of Enterobacteriaceae.

Composition

Ingredients	gm/lt.
Peptone	1.00
Dextrose	1.00
Sodium chloride	5.00
KH ₂ PO ₄	2.00
Phenol Red	0.012
Agar	15.00

Directions

1. Add 24.00 gm powder to 950ml 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.
5. Under aseptic conditions, add 50ml of sterile 40% Urea solution (80192) and mix well.
6. Dispense into sterile test tubes. Allow tubes to solidify in a slanted position.

General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months
IMDG Identification	Restricted for export from India
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

The information represented here may/may not represent the entire product specification, application or protocol recommended by Sisco Research Laboratories Pvt. Ltd. (SRL). This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above. For actual batch related documents, mail us.

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