



97438

Urea Broth, Base

Part D

Specifications

Appearance (Colour)	Light orange
Appearance (Form)	Free flowing, homogeneous powder
Solubility	9.00 gm/liter
Solubility before autoclaving (Clarity)	Clear without any precipitate
pH (25°C)	6.8 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear without any precipitate
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 : (+)ve
Organism	Proteus mirabilis ATCC 25933
Inoculum (cfu) 10-100	Growth : Good Urease production : (+)ve
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Urease production : (+)ve
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Urease production : (-)ve
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Urease production : (-)ve
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Urease production : (-)ve
Key	(+)ve Positive, pink-red colour (-)ve Negative, no change in colour

Other Information

Applications

For identifying bacteria on the basis of urea utilization, for the differentiation of Proteus species from Salmonella and Shigella species.

Composition	
Ingredients	gms/lt.
Peptone	1.00
Dextrose	1.00
Sodium chloride	5.00
Disodium hydrogen phosphate	1.20
Monopotassium phosphate	0.80
Phenol Red	0.012

Directions

1. Add 9.00 gm powder to 950.0 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.
5. Under aseptic conditions, add 50.0ml of sterile 40.0% Urea solution (80192) and mix well.
6. Dispense into sterile test tubes.

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%)

Available Packages

100 Gms
500 Gms

Disclaimer

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