



85908

Arginine Dihydrolase Broth

Part D

Specifications

Appearance (Colour)	Cream to Yellowish-grey
Appearance (Form)	Free flowing, homogeneous powder
Solubility	19.31 gm /liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
pH (25°C)	6.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Purple
Cultural Response	Inoculate and incubate at 35°C -37°C for 18-24 hours.
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Motility : (+)ve Arginine dihydrolyase : positive reaction,purple clour
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good Motility : (+)ve Arginine dihydrolyase : negative reaction, yellow colour or no colour change
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Motility : (+)ve Arginine dihydrolyase : negative reaction, yellow colour or no colour change
Organism	Salmonella serotype Typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good Motility : (+)ve Arginine dihydrolyase : positive reaction, purple clour
Organism	Klebsiella pneumoniaeATCC 13883
Inoculum (cfu) 10-100	Growth : Good Motility : (--ve) Arginine dihydrolyase : negative reaction, yellow colou or no colour change
Key	Motility : (+)ve : positive, growth away from stabline (--)ve : negative, growth alongwith stabline

Other Information

Applications

Used for the detection of arginine dihydrolase producing microorganisms.

Composition	
Ingredients	gms/lt.
Peptic digest of animal tissue	1.00
Sodium chloride	5.00
Dipotassium hydrogen phosphate	0.30
L-Arginine	10.00
Bromocresol Purple	0.016
Agar	3.00

Directions

1. Add 19.31 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Dispense into test tubes.
4. Autoclave at 10 psi pressure at 115°C for 15 minutes.
5. Cool the tubes in upright position.

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%)
Type of Packing	
100 Gms	Plastic Bottle
500 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms

Disclaimer

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