



69309

Triple Sugar Iron Agar BioVeg

Part D

Specifications

Appearance (Colour)	Light pink
Appearance (Form)	Free flowing, homogeneous powder
Solubility	64.62 gm/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
pH (25°C)	7.4 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent without any precipitate
Prepared Medium Appearance after autoclaving (Colour)	Pinkish red
Cultural Response	Inoculate and incubate at 37°C for 18 - 24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Slant : A Butt : A Gas : (+) ve H ₂ S : (-) ve
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Slant : A Butt : A Gas : (+) ve H ₂ S : (-) ve
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Slant : K Butt : A Gas : (+) ve H ₂ S : (+) ve
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Slant : A Butt : A Gas : (+) ve H ₂ S : (-) ve
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : Good Slant : K Butt : A Gas : (-)ve H ₂ S : (+)ve
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Slant : K Butt : A Gas : (-)ve H ₂ S : (-)ve
Organism	Salmonella typhi ATCC 6539

Inoculum (cfu) 10-100

Growth : Good
Slant : K
Butt : A
Gas : (-)ve
H2S : (+)ve
A = acidic, yellow
K = alkaline, no change
Gas = (+) splitting and cracking of the medium
Gas = (-) no splits, cracks or bubbles
H2S = (+) black precipitate
H2S = (-) no black precipitate

Key

Other Information

Applications

Used for the differentiation of members of Enterobacteriaceae on the basis of fermenting of glucose, lactose, sucrose and H2S production.

Composition

Ingredients	gm/lt.
Veg. Peptone	20.00
Veg. Extract	3.00
Yeast extract	3.00
Sodium chloride	5.00
Dextrose	1.00
Lactose	10.00
Sucrose	10.00
Ferric citrate	0.30
Sodium thiosulphate	0.30
Phenol Red	0.025
Agar	12.00

Directions

1. Add 64.625 gm powder to 1.0 litre distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Dispense into test tubes.
4. Autoclave at 15 psi pressure at 121°C for 15 minutes.

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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