



26221

Hugh Leifson Medium (B/S)

Part D

Specifications

Appearance (Clarity)	Light yellow with bluish green tint
Appearance (Colour)	Free flowing, homogeneous powder
Solubility	20.33 gm/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
pH (25°C)	7.1 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Greenish blue
Cultural Response	Inoculate and incubate at 37° C for 18 - 48 hours
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth:Good Motility : Positive Aerobic Fermentation : Acid(yellow), Gas production : Positive Anaerobic Fermentation : Acid(yellow), Gas production : Positive
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Motility : Positive Aerobic Fermentation : Acid(yellow), Gas production : Positive Anaerobic Fermentation : Acid(yellow), Gas production : Positive
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth:Good Motility : Positive Aerobic Fermentation : Acid(yellow), Gas production : Positive Anaerobic Fermentation : Green/Blue, Gas production : Negative
Organism	Salmonella typhimurium ATCC 6539
Inoculum (cfu) 10-100	Growth:Good Motility : Positive Aerobic Fermentation : Acid(yellow), Gas production : Positive Anaerobic Fermentation : Acid(yellow), Gas production : Positive

Other Information

Applications

Used to distinguish between anaerobic and aerobic breakdown of carbohydrate (Dextrose).

Composition

Ingredients	gm/lt.
Peptone	2.00
Sodium chloride	5.00

Dipotassium phosphate	0.30
Dextrose	10.0
Bromothymol Blue	0.03
Agar	3.00

Directions

1. Add 20.33 gm powder to 1.0 liter 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.

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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