



57309

SIM Medium BioVeg

Part D

Specifications

Appearance (Colour)	Creamish tan
Appearance (Form)	Free flowing, homogeneous powder
Solubility	30.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
pH (25°C)	7.3 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Medium amber
Cultural Response	Inoculate (isolated colony) the tubes by stabbing the butt to the center through 2/3 rds of the medium with the following and incubate at 37°C for 18 - 24 hours After 24 hours of incubation observe the tubes for growth, motility, hydrogen sulphide (H ₂ S) production and indole production by addition of 3 - 4 drops of Kovacs reagent
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Motility : (+) Indole : (+) H ₂ S : (-)
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Motility : (+) Indole : (-) H ₂ S : (+)
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good Motility : (+) Indole : (-) H ₂ S : (+)
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Motility : (-) Indole : (-) H ₂ S : (-)
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Motility : (-) Indole : (-) H ₂ S : (-)
Key	(+) Motility : is observed as diffused growth outward from the stab line or turbidity of the medium. (+) H ₂ S : is observed by blackening of the medium or along the stab line. (+) Indole : is indicated by a red colour after addition of Kovacs Reagent.

Other Information

Applications

Used for the differentiation of members of the Enterobacteriaceae, based on H₂S production, indole production and motility.

Composition

Ingredients	gm/lt.
Veg. Peptone	20.00
Veg. extract	6.71
Agar	3.00
Ferrous ammonium sulphate	0.20
Sodium thiosulphate	0.025

Directions

1. Add 30.00 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Dispense the medium into test tubes to a depth of 3 inches preferably.
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%)

Available Packages

100 Gms
500 Gms

Disclaimer

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