



55369

Bismuth Sulphite Agar (I)

Part D

Specifications

Appearance (Colour)	Light beige to light green
Appearance (Form)	Free flowing, homogeneous powder
Solubility	63.40 gm/liter
Solubility before autoclaving (Clarity)	Opaque with a flocculent precipitate
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.5 ± 0.2
Prepared medium appearance after boiling (clarity)	Opaque with a flocculent precipitate
Prepared medium appearance after boiling (colour)	Light grey-green to medium green
Cultural Response	Inoculate and incubate at 37°C for 18 - 24 hours
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=50%, Colony colour : Black or greenish-grey, may have sheen
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=50%, Colony colour : Black with metallic sheen
Organism	Escherichia coli ATCC 25922
Inoculum	>10 ³ , Growth : Partial Inhibition, Colony colour : Dull green or brown colonies, without metallic sheen.
Organism	Enterococcus faecalis ATCC 29212
Inoculum	>10 ³ , Growth : Inhibited
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=50%, Colony colour : Black with metallic sheen

Other Information

Applications

For the selective isolation and identification of Salmonella typhi and other enteric bacilli.

Composition	
Ingredients	gm/lt.
Peptone	10.00
Agar	24.00
D- Glucose monohydrate	5.00
Ferric citrate	0.40
Brilliant Green	0.01
Ammonium bismuth citrate	3.00

Sodium sulfite	10.00
Disodium hydrogen orthophosphate	5.00
Beef extract (ex.buffalo)	6.00

Directions

1. Add 63.40 gm powder to distilled/purified water.
2. Bring volume to 1.0 litre and mix thoroughly.
3. Gently heat and bring to boiling.
4. Do not Autoclave or Overheat the medium.
5. Swirl the flask while dispensing into sterile petri plates.

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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