



**39930**

**SS Agar (Salmonella Shigella Agar)**

Part D

**Specifications**

Appearance (Colour)	Pinkish yellow
Appearance (Form)	Free flowing, homogeneous powder
Solubility	60.25gm/liter
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Reddish orange
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 : Colourless with black centres
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=50%, Colony colour : Colourless with black centres
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=30%, Colony colour : Pink with bile precipitate
Organism	Proteus mirabilis ATCC 25933
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=40%, Colony colour : Colourless may have black centres
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=40%, Colony colour : Colourless
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good, Recovery Rate : >=30%, Colony colour : Cream pink
Organism	Enterococcus faecalis ATCC 29212
Inoculum	Growth : Inhibited

**Other Information**

**Applications**

For the selective isolation and differentiation of pathogenic enteric bacilli especially Salmonella and Shigella species.

**Composition**

Ingredients	gm/lt.
Peptone	2.50
Agar	13.50

Lactose	10.00
Sodium thiosulphate	8.50
Sodium citrate	8.50
Beef extract(ex. buffalo)	5.00
Bile salts	8.50
Tryptone	2.50
Ferric citrate	1.00
Brilliant Green	0.00033
Neutral Red	0.025

**Directions**

1. Add 60.25 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Do not autoclave or overheat.

**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	
500 Gms	Plastic Bottle

**Available Packages**

100 Gms
500 Gms

**Disclaimer**

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