



26351

## Mueller Kauffman Tetrathionate Broth Base

Part D

### Specifications

Appearance (Colour)	Biege
Appearance (Form)	Free flowing, homogeneous powder
Solubility	82.05 gm/liter
Solubility before autoclaving (Clarity)	Opalescent with heavy white precipitate.
pH (25°C)	7.8 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Opalescent with heavy white precipitate.
Prepared Medium Appearance after autoclaving (Colour)	Light green
Cultural Response	Inoculate and incubate the tubes at 37 ± 2°C for 18-24 hrs. Cultural response observed when subcultured on Soyabean Casein Digest Agar (SCDA) , after incubation at 42 - 44°C for 18-24 hrs.
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : None - poor, Growth on SCDA : None-poor
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : None - poor, Growth on SCDA : None-poor
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good, Growth on SCDA : Good
Organism	Salmonella paratyphi B ATCC 8759
Inoculum (cfu) 10-100	Growth : Good, Growth on SCDA : Good
Organism	Shigella flexneri ATCC 12022
Inoculum	Growth : Inhibited, Growth on SCDA : Inhibited

### Other Information

#### Applications

An improved enrichment medium for the isolation of Salmonellae and the suppression of Proteus species.

#### Composition

Ingredients	gm/lt.
Sodium thiosulphate	40.7
Calcium carbonate	25.0
Sodium chloride	2.30
Oxbile	4.75
Soyatone	2.30
Casein, enzymatic hydrolysate	7.0

### Directions

1. Add 82.05 gm powder to 1000 ml distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Do not autoclave.
4. Cool to 45-50°C.
5. Aseptically, add 19.0 ml of Iodine solution (in 20gm iodine add 25gm potassium iodide in 100ml sterile distilled water.) and 9.5ml of 0.1% Brilliant Green solution.
6. If desired, add Novabiocin supplement (18352).
7. Mix well to disperse precipitate uniformly.
8. Dispense into sterile test tubes.

### 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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