



76135

## Mueller Kauffman Tetrathionate Novobiocin Broth Base (MKTTn)

Part D

### Specifications

Appearance (Colour)	Pale green
Appearance (Form)	Free flowing, homogeneous powder
Solubility	89.50 gm/liter
Solubility before autoclaving (Clarity)	Opaque suspension which on standing gives a heavy white precipitate
pH (25°C)	8.2 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Opaque suspension which on standing gives a heavy white precipitate
Prepared Medium Appearance after autoclaving (Colour)	Pale green
Cultural Response	Inoculate and incubate at 43°C for 18-48 hours, with added 20ml iodine solution and MKTT Novobiocin Supplement (31601), when subcultured on Soyabean Casein Digest Agar (33291)
Organism	Proteus vulgaris ATCC 13315
Inoculum (cfu) 10-100	Growth : None - poor
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : None - poor
Organism	Salmonella paratyphi A ATCC 9150
Inoculum (cfu) 10-100	Growth : Good
Organism	Salmonella paratyphi B ATCC 8759
Inoculum (cfu) 10-100	Growth : Good
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good
Organism	Shigella flexneri ATCC 12022
Inoculum	Growth : Inhibited

### Other Information

#### Applications

Used for selective enrichment for the isolation of Salmonella, when used with MKTT Novobiocin supplement.

#### Composition

Ingredients	gm/lt.
Meat extract	4.30
Casein enzymic hydrolysate	8.60

Ox bile	4.78
Sodium chloride	2.60
Calcium carbonate	38.70
Sodium thiosulphate, anhydrous	30.50
Brilliant Green	0.0095

**Directions**

1. Add 89.5gm of MKTTn in 1 .0 liter of distilled/purified water.
2. Gently heat and bring to boiling.
3. Do not Autoclave.
4. Cool to 45 - 50°C. Immediately before use, aseptically add 20 ml of iodine solution (20 grams iodine and 25 grams potassium iodide in 100 ml sterile distilled water) along with rehydrated contents of 1 vial of Novobiocin MKTT Supplement (31601).
5. Mix well to disperse calcium carbonate uniformly before dispensing in sterile 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%)
Type of Packing	
100 Gms	Plastic Bottle

**Available Packages**

100 Gms
500 Gms

**Disclaimer**

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