MM0102

Tryptone Bile Agar

Use and description:
This medium is designed for selective isolation and enumeration of *Escherichia coli* from food and water with direct plating method. It uses the ability of *E. coli* to produce indole from tryptophan at 44°C during the incubation on a cellulose acetate membrane on Tryptone Bile agar plates

Composition per liter:
Tryptone.....20.0 g
Bile salts no.3..... 1.5 g
Agar.....15.0 g

Final pH of the ready to use medium: 7.2 ± 0.2

Medium preparation:
Add 36.5 grams of dehydrated culture medium to 1 liter distilled water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave for 15 min at 121°C. Distribute into sterile petri dishes.

Quality specification:
Dehydrated medium: homogeneous, cream-white fine powder.
Ready to use medium: amber coloured agar, slightly opalescent.

Microbiological response:

Organism	**Result**
Escherichia coli ATCC 25922	Good to excellent growth, indol positive
Enterobacter aerogenes ATCC 13048	Good to excellent growth, indol negative
Enterococcus Faecalis ATCC19433	Inhibited

Storage:
Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.