

Product Name : Tryptophan Broth

Dehydrated medium for the production of indole by microorganisms.

TYPICAL FORMULA (G/L)

Tryptone 10.0
Sodium chloride 5.0
DL Tryptophan 1.0
Final pH = 7.5 ± 0.2 at 25°C.

DIRECTIONS

Suspend 16.0 G of powder in 1 L of distilled or deionized water. Heat to boiling and shake until completely dissolved. Sterilize at 121 °C for 15 minutes. Dispense in final test tubes.

DESCRIPTION

Tryptophan Broth is used to differentiate microorganisms that produce indole. The medium is, also, recommended for the indole test for the confirmation procedures of *Salmonella* colonies.

TECHNIQUE

Inoculate a tube containing 5 mL of Tryptophan Broth and incubate at 36 ± 1 °C for 24 ± 3 hours. After incubation, add 1 mL of Kovac's Reagent (MB-KV-30). The formation of a red ring indicates a positive reaction.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: amber.

Prepared medium

Appearance: clear.

Color: amber.

Incubation conditions: at 36 ±1°C / 24 ±3 hours / aerobiosis.

Microorganism	ATCC	Growth	Indole test
<i>Escherichia coli</i>	25922	good	positive
<i>Salmonella typhimurium</i>	14028	good	negative

STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

REFERENCES

1. Murray, Baron, Pfaller, Tenorev and Tenover (ed), Manual of Clinical Microbiology, 7th ed. American Society for Microbiology, D.C.
2. ISO 6579:1993- Microbiology-General guidance on methods for the detection of *Salmonella*.

PACKAGING

Cat. No : MB-T1197
Tryptophan Broth

500 G