

Tryptone Growth Medium II**G010**

Tryptone Growth Medium II is used as a general purpose media for the growth of *Escherichia coli*.

Composition :**

Ingredients	Grams/Litre
Tryptone	10.00
Sodium chloride	8.00

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 18 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation :

Tryptone Growth Medium II is used as a general purpose media for the growth and maintenance of *Escherichia coli*. Tryptone provides all the required peptides and peptones. Sodium chloride provides the sodium ions which help in the membrane transport and maintenance of osmotic equilibrium of the medium.

Quality Control :**Appearance of Powder :**

Light yellow coloured, homogeneous, free flowing powder.

Colour and Clarity :

Light yellow coloured, clear solution without any precipitate.

Cultural Response :

Cultural characteristics observed after an incubation at 35-37°C for 18 - 48 hours.

Organisms (ATCC)

Escherichia coli

Growth

good-luxuriant

Storage and Shelf-life :

Store below 30°C and the prepared medium at 2 - 8°C. Use before expiry date on the label.

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