

**Tryptone Growth Agar II****G011**

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

**Composition\*\* :**

<b>Ingredients</b>	<b>Grams/Litre</b>
Tryptone	10.00
Sodium chloride	8.00
Agar	15.00

\*\* Formula adjusted, standardized to suit performance parameters

**Directions :**

Suspend 33 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.

**Principle and Interpretation :**

Tryptone Growth Agar II is used as a general purpose media for the growth 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 :**

Cream to yellow coloured, homogeneous, free flowing powder.

**Gelling :**

Firm, comparable with 1.5% Agar gel.

**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

**Tryptone Growth Agar II****G011****Storage and Shelf-life :**

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