

L-Growth Agar**G006**

L-Growth Agar is recommended for cultivation and maintenance of recombinant strains of *Escherichia coli* for genetic and molecular biology studies.

Composition :**

Ingredients	Grams/Litre
Tryptone	10.00
Yeast extract	5.00
Sodium chloride	0.50
Agar	15.00

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 30.5 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 :

L-Growth Agar is recommended for cultivation and maintenance of recombinant strains of *Escherichia coli* for genetic and molecular biology studies.

Quality Control :**Appearance of Powder :**

Light yellow coloured, homogeneous, free flowing powder.

Gelling :

Firm, comparable with 1.5% Agar gel.

Colour and Clarity :

Light amber coloured, clear to slightly opalescent gel forms in Petri plates.

Cultural Response :

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

Organisms (ATCC)

Escherichia coli

Growth

good-luxuriant

L-Growth Agar**G006****Storage and Shelf-life :**

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