

## 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* ATCC 23724

*Escherichia coli* ATCC 25922

*Escherichia coli* MTCC1652

#### Growth

good-luxuriant

good-luxuriant

good-luxuriant

Please refer disclaimer Overleaf

#### Registered Office

#### HiMedia Laboratories Pvt Ltd.

Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area,  
Thane, (West) 400604, Maharashtra, INDIA.  
Customer Care No.: 00-91-22-6116 9797  
Tel : 00-91-22-6147 1919, 6903 4800

Fax : 6147 1920  
Web : [www.himedialabs.com](http://www.himedialabs.com)  
Email : [info@himedialabs.com](mailto:info@himedialabs.com)  
[mb@himedialabs.com](mailto:mb@himedialabs.com)

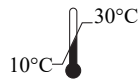


## Storage and Shelf-life :

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

## References:

1. Bertani, G. (1951). Studies on lysogenesis. I. The mode of phage liberation by lysogenic *Escherichia coli*. J. Bacteriol. 62:293-300.
2. Sambrook, J. E. F. Fritsch, and T. Maniatis (1989). Molecular cloning: a laboratory manual, 2<sup>nd</sup> edition ed., Cold Spring Harbour laboratory, Cold Spring Harbour, N.Y.



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Private Limited,  
Reg. Off: Plot No. C-40, Road No. 21Y,  
MIDC, Wagle Industrial Area, Thane,  
(West) 400604, Maharashtra, INDIA.  
Web: [www.himedialabs.com](http://www.himedialabs.com)



05/2025

PIG010\_1/0522

G010-02

## Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.  
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: [techhelp@himedialabs.com](mailto:techhelp@himedialabs.com) Website: [www.himedialabs.com](http://www.himedialabs.com)