

## YEP Growth Medium

**G039**

YEP Growth Medium is used as a base for making variation with an alternate carbon sources, for the growth of *Saccharomyces cerevisiae*.

### Composition\*\* :

Ingredients	Grams/Litre
Peptone	20.00
Yeast extract	10.00

Final pH (at 25°C)  $6.5 \pm 0.2$

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

### Directions :

Suspend 30 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 :

YEP Growth Medium is used as a base for making variation with an alternate carbon sources, for the growth of *Saccharomyces cerevisiae*. Yeasts are unicellular eukaryotes and extensively studied model organism in molecular genetics. They are chemoorganotrophs as they utilize organic compounds as a source of energy.

YEP Growth Medium is used for the maintenance and propagation of yeasts including *S. cerevisiae* in various molecular microbiology procedures (1, 2). YEP functions as a complete medium for yeast growth and it contains yeast extract and peptone. Yeast extract supplies B-complex vitamins and it contains all the amino acids necessary for growth. Peptone acts as the source of nitrogen, vitamins and minerals. This medium supports the vigorous growth of wild type as well as mutant strains of all kinds of budding yeast.

### Quality Control :

#### Appearance of Powder :

Cream to light yellow coloured, homogeneous, free flowing powder.

#### Colour and Clarity :

Light amber coloured, clear solution without any precipitate.

---

Please refer disclaimer Overleaf

**Reaction :**

Reaction of 3.0% w/v aqueous solution is pH  $6.5 \pm 0.2$  at 25°C.

**Cultural Response :**

Cultural characteristics observed after an incubation at 25-30°C for 18 - 48 hours.

**Organisms (ATCC)**

*Saccharomyces cerevisiae* ATCC9763

**Growth**

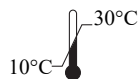
good-luxuriant

**Storage and Shelf-life :**

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

**References:**

1. Adams, A., D. E. Gottschling, C. A. Kaiser, and T. Stearns. 1997. Methods in yeast genetics: A Cold Spring Harbor Laboratory Course Manual. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.
2. Burke, D., Dawson, D., and T. Stearns. 2000. Method in yeast genetics. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.



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)



08/2025

PIG039\_2/0822

G039-02

**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)