Presporulation Growth Medium **G041**

Presporulation Growth Medium is used for the growth and sporulation of *Saccharomyces cerevisiae*.

Composition :**

Ingredients	Grams/Litre
Peptone	3.00
Yeast extract	8.00
Potassium acetate	20.00

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 31 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 :

Presporulation Growth Medium is used for the growth and sporulation of *Saccharomyces cerevisiae*. Pre-Sporulation Medium is used for strains that do not sporulate well when grown on sporulation medium directly. *Saccharomyces cerevisiae* is a unicellular eukaryote that has become an important tool in microbial genetic techniques. It undergoes meiosis and sporulation which takes place in a single cell. Presporulation medium stimulates the sporulation of diploid yeast cells which occurs only when cells are deprived of any carbon source. Potassium acetate enhances the sporulation of diploid strains. Cells are first exposed to the pre-sporulation medium for 1-2 days before transferring them to sporulation 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.

Please refer disclaimer Overleaf

ISO 9001-2015 CERTIFIED
WHO GMP CERTIFIED
ISO 13485-2016 CERTIFIED

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
Email : info@himedialabs.com
mb@himedialabs.com

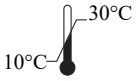
Organisms (ATCC)	**Growth**
Saccharomyces cerevisiae ATCC9763	good-luxuriant

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

08/2025