

YPD (YEPD) Growth Medium

G037

YPD (YEPD) Growth Medium is used for the growth of *Saccharomyces cerevisiae*.

Composition** :

Ingredients	Grams/Litre
Peptone	20.00
Yeast extract	10.00
Dextrose	20.00

Final pH (at 25°C) 6.5 ± 0.2

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 50 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation :

YPD (YEPD) Growth Medium is used 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. YPD (YEPD) Growth Medium is used for the maintenance and propagation of yeasts including *S. cerevisiae* in various molecular microbiology procedures (1, 2). YPD functions as a complete medium for yeast growth and it contains yeast extract, peptone and glucose or dextrose. 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. Dextrose serves as the carbon source. 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 yellow coloured, homogeneous, free flowing powder.

Colour and Clarity of prepared medium :

Light yellow coloured, clear solution without any precipitate.

Please refer disclaimer Overleaf

Reaction :

Reaction of 5.0% w/v aqueous solution is pH 6.5 ± 0.2 at 25°C.

Cultural Response :

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

Organisms (ATCC)

Saccharomyces cerevisiae ATCC 9763

Growth

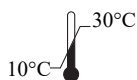
good-luxuriant

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



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