

Technical Information

YEPG Growth Medium

Product Code: G1061

YEPS Growth Medium is recommended for the growth of *Saccharomyces cerevisiae*.

Composition**

Ingredients	Grams/Litre
Peptone	20.00
Yeast extract	10.00
Final pH (at 25°C)	6.5 ± 0.2

** Formula adjusted, standardized to suit performance parameters

Methodology

Suspend 30 grams in 1000 ml distilled water containing 38 ml glycerol. 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

YEPG Growth Medium is recommended for the growth of *Saccharomyces cerevisiae*. Respiratory deficient mutants will not grow on YEPG. Glycerol is a non-fermentable carbon source.

Quality control

Appearance of Powder :

Cream to yellow coloured, homogeneous, free flowing powder.

Colour and Clarity :

Light yellow coloured, clear solution without any precipitate.

Reaction :

Reaction of 3.0% w/v aqueous solution containing 3.8% v/v glycerol is pH 6.5 ± 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.

Reference

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.

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