

PRODUCT INFORMATION

YP Base Media

Cat. No. Y25-110

DESCRIPTION

YP Base Media is used with added carbohydrates for maintaining and propagating yeasts in molecular microbiology procedures. General methods in yeast genetics specify using yeast extract-peptone-glucose (YPD) medium for cultivating *Saccharomyces cerevisiae* and other yeasts. This medium has dextrose removed to allow the use of other carbohydrates. Yeasts grow well on a minimal medium containing only carbohydrates and salts. The inclusion of protein and yeast extract in the formulation allow for faster growth

FORMULA (g/L)

Peptone	20.0 g	Yeast Extract	10.0 g
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Final pH: 7.0 ± 0.2 at 25 °C

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 30 grams of the medium and 20 grams of a carbohydrate in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and yellow beige.
2. Visually the prepared medium is clear and light to medium amber.
3. Expected cultural response after 42-48 hours at 25 to 30 °C.

ORGANISM	RESULT
<i>Candida albicans</i> ATCC 10231	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9080	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good Growth



STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

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