

## PRODUCT INFORMATION

YP Agar Base

Cat. No. Y25-109

### DESCRIPTION

YP Agar Base medium 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. Yeast grow well on a minimal medium containing only carbohydrates and salts. The addition of protein and yeast extract allow faster growth.

### FORMULA (g/L)

Enzymatic Digest of Casein	20.0 g	Yeast Extract	10.0 g
Agar	15.0 g		

Final pH without carbohydrate:  $7.0 \pm 0.2$  at 25 °C

Final pH with carbohydrate (dextrose):  $6.5 \pm 0.2$  at 25 °C

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

\*The addition of the carbohydrate will cause the pH results to shift. This pH is reflective of the results when dextrose is added as the carbohydrate. Other carbohydrates may result in a different pH range.

### PREPARATION

Mix 45 grams of the medium and 20 grams of a carbohydrate in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 121°C for 15 minutes.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing, and beige.
2. Visually the prepared medium is trace to light haze and yellow to amber.
3. Expected cultural response after 2 to 3 days at 25°C 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.