



YPG Agar

M1368

YPG Agar is recommended for the growth of *Saccharomyces cerevisiae* for molecular biology purpose.

Composition**

Ingredients	Gms / Litre
Peptic digest of animal tissue	20.000
Yeast extract	10.000
Agar	20.000

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 50.0 grams in 1000 ml distilled water containing 30 ml glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

General methods in yeasts genetics specify using yeast extract, peptone medium for cultivating *Saccharomyces cerevisiae* and other yeasts. The yeast extract allows faster growth so that during exponential or log-phase growth, the cells divide every 90 minutes. Peptic digest of animal tissue is as a source of carbon, nitrogen, vitamins and minerals.

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Gelling

Firm, comparable with 2.0% Agar gel.

Colour and Clarity of prepared medium

Light amber coloured clear to slightly opalescent gel forms in Petri plates.

Cultural Response

M1368: Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours.

Organism	Inoculum (CFU)	Growth	Recovery
* <i>Aspergillus brasiliensis</i> ATCC 16404	50-100	good-luxuriant	
<i>Candida albicans</i> ATCC 10231	50-100	good-luxuriant	>=70%
<i>Saccharomyces cerevisiae</i> ATCC 9763	50-100	good-luxuriant	>=70%

*Key: Formerly known as *Aspergillus niger*

Storage and Shelf Life

Store below 30°C and use freshly prepared medium. Use before expiry date on the label.

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Disclaimer :

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