

# Yeast Mold Agar

For the cultivation of yeast and molds

Cat. 1194

## Practical information

Applications	Categories
Growth	Yeasts and molds
Industry: Food	



## Principles and uses

Yeast Mold Agar is a medium used for the isolation and cultivation of yeast and molds.

Peptone and Malt extract provides the carbon, protein and nutrient sources required for the growth of microorganisms. Malt extract is particularly suitable for yeasts and molds as it contains a high concentration of maltose (39 - 42%) and other saccharides as energy sources. Dextrose is the fermentable carbohydrate providing carbon and energy. Bacteriological agar is the solidifying agent. The high dextrose concentration and acidic pH make this medium selective for fungi.

## Formula in g/L

Bacteriological agar	20	Dextrose	10
Malt extract	3	Peptone	4
Yeast extract	3		

## Preparation

Suspend 40 grams of medium in one liter of distilled water. Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution. Sterilize in autoclave at 121°C for 15 minutes. Cool to 50°, mix well and dispense into plates.

## Instructions for use

- Inoculate and incubate at 25 °C for 3-5 days.
- If desired, the pH of the medium can be adjusted to 3,0-4,0 in order to increase the selectivity of the medium. Antibiotics like chloramphenicol can also be added. Once the pH is adjusted, the agar must not be reheated.

## Quality control

Solubility	Appearance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25°C)
w/o rests	Fine powder	Beige	Amber, slightly opalescent	6,2 ± 0,2 a 25°C

## Microbiological test

Incubation conditions: (25 °C / 3-5 días).

Inoculation conditions: Productivity quantitative (100±20. Min.50 CFU).

Reference media: Sabouraud Dextrose Agar.

Microorganisms	Specification
<i>Candida albicans</i> ATCC 10231	Good growth
<i>Aspergillus brasiliensis</i> ATCC 16404	Good growth
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good growth

## Storage

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Temp. Min.:2 °C  
Temp. Max.:25 °C

## Bibliography

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Jong, S.S, and M.J.Edwars 1991, American Type Culture Collection Catalog of filamentog fungi 18 the. American type Collection, Rockville, MD