

m-Green Yeast and Mold Agar



Medium used for the isolation and cultivation of yeasts and molds.

*Equally use with m-Green Agar (MB-G1165).

• CONTENTS (Liter)

Yeast Extract	9.0 g
Dextrose	50.0 g
Pancreatic Digest of Casein	5.0 g
Peptic Digest of Animal Tissue	5.0 g
Magnesium Sulfate	2.1 g
Potassium Phosphate	2.0 g
Diastase	0.05 g
Thiamine	0.05 g
Bromocresol Green	0.026 g
Agar	15.0 g
Final pH = 4.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 88.23 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 10 minutes. DO NOT OVERHEAT. Cool to 45 - 50°C in water bath. Mix well. Pour into petri dishes.

• INTERPRETATION

M-Green Yeast and Mold Agar is a medium used for the isolation and cultivation of yeasts and molds. This medium was developed to improve the efficiency of detection of fungi on the medium in sugar and other materials by the membrane filter method. Yeast extract, pancreatic digest of casein, peptic digest of animal tissue are the carbon, nitrogen and vitamin sources. Dextrose is a fermentable carbohydrate. Potassium phosphate is the buffering agent. Magnesium sulfate and thiamine provide essential ions and nutrients. Diastase is a mixture containing amylolytic enzymes. Bromocresol green is a pH indicator. Low pH inhibits the growth of bacteria. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 30 - 35°C for 2 days up to 5 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: greenish beige

Prepared medium

Appearance : clear to slightly opalescent

Color: green

Incubation conditions: 30 - 35°C / 2 days up to 5 days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Aspergillus brasiliensis</i>	16404	heavy	good
<i>Candida albicans</i>	10231	50-100	good
<i>Saccharomyces cerevisiae</i>	76625	50-100	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Lenette et al. (1985) Manual of Microbiol., 4th ed.

• PACKAGE

Cat. No : MB-G1165 m-Green Yeast and Mold Agar	500 G
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