

m-Yeast and Mold Green Broth



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

• 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
Final pH = 4.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 73.23 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. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

• INTERPRETATION

M-Yeast and Mold Green Broth 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.

• TECHNIC

Inoculate the specimen using a sterile needle 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. Eaton, A. D., L. S. Clesceri, and A. E. Greenberg (eds.). 1998. Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association, Washington, D.C.
2. MacFaddin J.F., 1985, Media for Isolation - Cultivation - Identification - Maintenance of Medical Bacteria, Vol.I, Williamsand Wilkins, Baltimore.

• PACKAGE

Cat. No : MB-G1603 m-Yeast and Mold Green Broth	500 G
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