

M20Y Agar



Medium used in qualitative procedures for the cultivation of pathogenic and nonpathogenic fungi, particularly *dermatophytes*.

• CONTENTS (Liter)

Malt Extract	20.0 g
Yeast Extract	5.0 g
Sucrose	200.0 g
Agar	20.0 g
Final pH = 6.0 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 245.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45-50°C in water bath. Mix well. Dispense in petri dishes.

• INTERPRETATION

M20Y Agar is a medium used in qualitative procedures for the cultivation of pathogenic and non pathogenic fungi. Malt extract and yeast extract provide nitrogen, carbon, amino acids and vitamins. Sucrose is the fermentable carbohydrate. Agar is the solidifying agent.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 25 ± 2 °C for 18 - 48 hours up to 7 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: clear with no precipitate.

Color: amber.

Incubation conditions: 25 ± 2 °C / 18 - 48 hours up to 7 days

Microorganism	ATCC	Inoculum CFU	Growth	Characteristics
<i>Aspergillus niger</i>	16404	50-100	good	brownish to black colonies
<i>Candida albicans</i>	10231	50-100	good	colorless colonies
<i>Saccharomyces cerevisiae</i>	76625	50-100	good	colorless colonies
<i>Streptomyces albus</i>	3004	50-100	good	colorless colonies

• 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 or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. Brucato CL, Wong SS. Extracellular poly(3-hydroxybutyrate) depolymerase from *Penicillium funiculosum*: general characteristics and active site studies. *Arch. Biochem. Biophys.* 290: 497-502, 1991. PubMed: 1929416
2. FDA Bacteriological Analytical Manual, 2005, 18th Ed., AOAC, Washington, DC.
3. MacFaddin J. F., 1985, Media for the Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol.1, Williams and Wilkins, Baltimore

• PACKAGE

Cat. No : MB-M0776 M20Y Agar	500 G
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