

M40Y Agar



Medium used for the cultivation and enumeration of pathogenic and non pathogenic fungi.

• CONTENTS (Liter)

| | |
|------------------------------|---------|
| Malt Extract | 20.0 g |
| Yeast Extract | 5.0 g |
| Sucrose | 400.0 g |
| Agar | 20.0 g |
| Final pH = 6.0 ± 0.2 at 25°C | |

• PROCEDURE

Suspend 445.0 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. Pour into petri dishes.

• INTERPRETATION

M40Y Agar is a medium used for the cultivation and enumeration 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 specimen using a sterile loop to the medium. 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: slightly opalescent

Color: amber

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

| Microorganism | ATCC | Growth |
|---------------------------------|-------|--------|
| <i>Aspergillus niger</i> | 16404 | good |
| <i>Candida albicans</i> | 10231 | good |
| <i>Saccharomyces cerevisiae</i> | 76625 | good |
| <i>Streptomyces albus</i> | 3004 | 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. 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

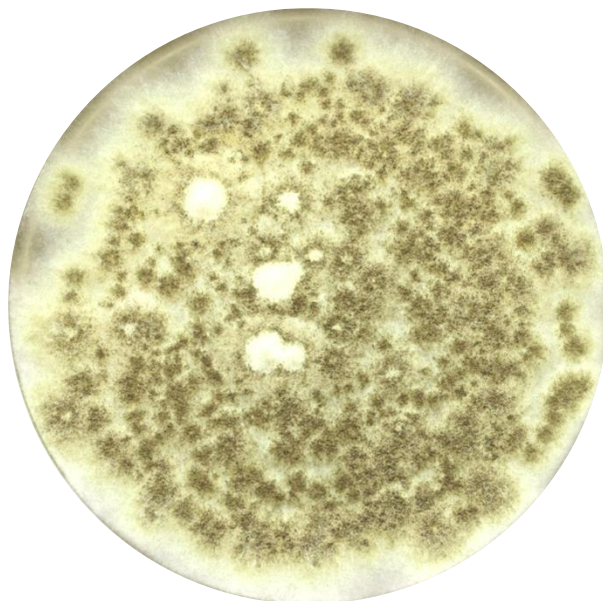
• PACKAGE

| | |
|---------------------------------|-------|
| Cat. No : MB-M0775 M40Y Agar | 500 G |
|---------------------------------|-------|

• MICROBIAL CULTURE IMAGES



None



Aspergillus niger ATCC 16404

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