

Sabouraud Maltose Agar



Medium used for the isolation and cultivation of yeasts, molds and aciduric microorganisms.

• CONTENTS (Liter)

Mycological Peptone	10.0 g
Maltose	40.0 g
Agar	15.0 g
Final pH = 5.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 65.0 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

Sabouraud Maltose Agar is a medium used for the isolation and cultivation of yeasts, molds and aciduric microorganisms. Mycological peptone provides nitrogen, vitamins, minerals, amino acids and growth factor. Maltose is an energy source for the growth of microorganisms. Agar is the solidifying agent.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 30 ± 2°C for 48 - 72 hours up to 7 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance : clear to slightly opalescent

Color: light amber

Incubation conditions: 30 ± 2°C / 48 - 72 hours up to 7 days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Aspergillus brasiliensis</i>	16404	50-100	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 or until signs of deterioration are evident. Store prepared medium at 2 - 8°C

• REFERENCES

1. APHA (1963). Diagnostic procedures and reagents.
2. Association of Official Analytical Chemists. (1995). Bacteriological analytical manual, 8th ed. AOAC International, Gaithersburg, MD.
3. U.S. Pharmacopoeia 24, NF 19 (2000).

• PACKAGE

Cat. No : MB-S1146 Sabouraud Maltose Agar	500 G
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