

Sabouraud Dextrose (1%) Maltose (1%) Agar



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

• CONTENTS (Liter)

Casein Enzymic Hydrolysate	5.0 g
Peptic Digest of Animal Tissue	5.0 g
Dextrose	10.0 g
Maltose	10.0 g
Agar	15.0 g
Final pH = 5.4 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 45.0 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 tubes.

• INTERPRETATION

Sabouraud Dextrose (1%) Maltose (1%) Agar is medium used for the cultivation of yeast, molds and aciduric microorganisms. Casein enzymic hydrolysate and peptic digest of animal tissue provide nitrogen, vitamins, minerals, amino acids and growth factors. Dextrose and maltose are energy source for the growth of microorganisms. Agar is the solidifying agent.

• TECHNIC

Inoculate the plates with spreading the specimen on the surface of the medium using a sterile loop. Incubate at 25 - 30°C for 18 - 48 hours up to 7days. 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 / 18 – 48 hours up to 7days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Saccharomyces cerevisiae</i>	76625	50-100	good
<i>Escherichia coli</i>	25922	50-100	good
<i>Candida albicans</i>	10231	50-100	good
<i>Aspergillus niger</i>	16404	heavy	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 or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. Sabouraud R., 1892, Ann. Dermatol. Syphilis, 3:1061.
2. Carlier G. I. M., Brit. J. Derm. Syph., 60:61
3. Merkblatt 18: Verpackgs- Rdsch, 1974, 25/1: Techn- Wiss. Beilage, 5-8
4. Murray P. R., Baron J. H., Pfaller M. A., Jorgensen J. H. and Tenover F. C., (Ed.), 2003, Manual of Clinical Microbiology, 8th Ed., American Society for Microbiology, Washington, D.C.

• PACKAGE

Cat. No : MB-S2245 Sabouraud Dextrose (1%) Maltose (1%) Agar	500 G
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