

Sabouraud Dextrose (SD) Agar



Medium used for the cultivation and enumeration of yeast, pathogenic and nonpathogenic fungi, particularly dermatophytes.

*Equally use with KP (MB-S1527P), USP, EP, Sabouraud Agar (MB-S1103) and Sabouraud Dextrose(4%) Agar (MB-S2247).

• CONTENTS (Liter)

Dextrose	40.0 g
Peptic digest of Animal Tissue	5.0 g
Pancreatic Digest of Casein	5.0 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 Dextrose (SD) Agar is a medium used for the cultivation and enumeration of yeast, pathogenic and nonpathogenic fungi, particularly dermatophytes. Dextrose is an energy source for the growth of microorganisms. Peptic digest of animal tissue and pancreatic digest of casein provide nitrogen, carbon, amino acids and minerals. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 20 - 25°C for 2 - 3 days up to 5 days (*up to 7 days). **Incubate at 20 - 25°C for 2 - 3 days up to 5 days or 30 - 35°C for 24 - 48 hours. 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: 20 - 25°C / 2 - 3 days up to 5 days (*up to 7 days)

**20 - 25°C / 2 - 3 days up to 5 days or 30 - 35°C / 24 - 48 hours

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.

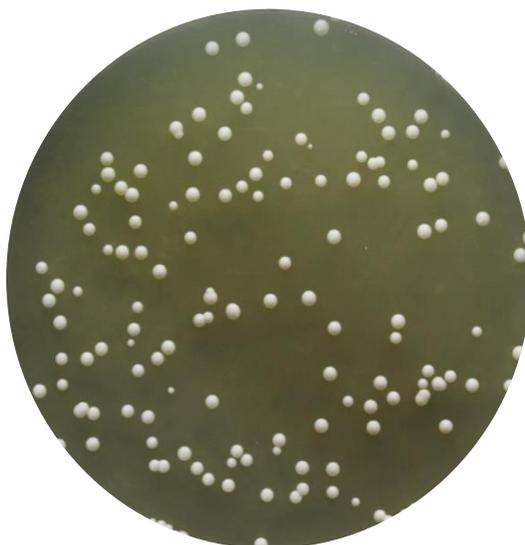
• REFERENCES

1. Sabouraud. 1892. Ann. Dermatol. Syphil. 3: 1061.
2. Ajello, Georg, Kaplan and Kaufman. 1963. CDC laboratory manual for medical mycology. PHS Publication No. 994, U.S. Government Printing Office, Washington, D.C.
3. Kwon-Chung and Bennett. 1992. Medical mycology. Lea & Febiger, Philadelphia, Pa.
4. APHA (1963). Diagnostic procedures and reagents.
5. Association of Official Analytical Chemists. (1995). Bacteriological analytical manual , 8th ed. AOAC International, Gaithersburg, MD.
6. Refer to the KP, USP and EP.

• PACKAGE

Cat. No : MB-S1527 Sabouraud Dextrose (SD) Agar	500 G
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• MICROBIAL CULTURE IMAGES



Candida albicans ATCC 10231 (100 CFU)

Incubation conditions : 20 - 25°C / 2 - 3 days up to 5 days