

# Sabouraud Dextrose (SD) Broth



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

\*Equally use with KP (MB-S2248P), USP (MB-S2248U), EP (MB-S2248E) and Sabouraud Broth (MB-S1104).

## • CONTENTS (Liter)

Dextrose	20.0 g
Peptic Digest of Animal Tissue	5.0 g
Pancreatic Digest of Casein	5.0 g
Final pH = 5.6 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 30.0 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 tubes.

## • INTERPRETATION

Sabouraud Dextrose (SD) Broth 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.

## • TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 20 - 25°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: light beige

### Prepared medium

Appearance: clear to slightly opalescent

Color: light amber

Incubation conditions: 20 - 25°C / 18 - 48 hours up to 7 days

Microorganism	ATCC	Growth
<i>Aspergillus brasiliensis</i>	16404	good
<i>Candida albicans</i>	10231	good
<i>Saccharomyces cerevisiae</i>	76625	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-S2248 Sabouraud Dextrose (SD) Broth	500 G
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