

Sabouraud Dextrose (SD) Agar with Chloramphenicol No.2



Medium used for the isolation and cultivation of fungi.

*Equally use with KP (MB-S0829P) and KFCC (MB-S0904C).

• CONTENTS (Liter)

Pancreatic Digest of Casein	5.0 g
Peptic Digest of Animal Tissue	5.0 g
Dextrose	40.0 g
Agar	15.0 g
Chloramphenicol	0.05 g
Final pH = 5.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 65.05 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 with Chloramphenicol No.2 is a medium used for the isolation and cultivation of fungi. Pancreatic digest of casein and peptic digest of animal tissue provide nitrogenous compounds. Dextrose is an energy source. Agar is the solidifying agent. Chloramphenicol is the selective agent inhibiting to a wide range of Gram-negative and Gram-positive bacteria.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 20 - 25°C for 2 - 3 days 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: slightly opalescent

Color: light amber

Incubation conditions: 20 - 25°C / 2 - 3 days up to 7 days

Microorganism	ATCC	Inoculate 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
<i>Escherichia coli</i>	8739	≥10 ³	inhibited
<i>Staphylococcus aureus</i>	6538	≥10 ³	inhibited

• 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 K., 1892, Ann. Dermatol. Syphilol, 3:1061.
2. Marshall, R.T (ed.). 1933. standard methods for the microbiological examination of dairy product, 16th ed. American public Health Association, Washington D.C
3. MacFaddin, J.F. 1985. Media fir isolation-cultivation-identification-maintenance of medical bacteria, vol.1. Williams & Wilkins, Baltimore, MD.
4. Refer to the KP and KFCC.

• PACKAGE

Cat. No : MB-S0904 Sabouraud Dextrose (SD) Agar with Chloramphenicol No.2	500 G
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