

Sabouraud Dextrose (SD) Agar with chloramphenicol No.1



Medium used for the selective isolation of fungi.

*Equally use with KP (MB-S0828P).

• CONTENTS (Liter)

Dextrose	40.0 g
Peptone	10.0 g
Agar	15.0 g
Chloramphenicol	0.1 g
Final pH = 5.6 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 65.1 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. Dispense in petri dishes.

• INTERPRETATION

Sabouraud Dextrose (SD) Agar with Chloramphenicol No.1 is a medium used for the cultivation pathogenic and commensal fungi and yeasts. The high concentration of Dextrose is included as an energy source. Chloramphenicol is a broad-spectrum antibiotic inhibited to a wide range of gram-negative and gram-positive bacteria. 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 20 - 25 °C for 2 - 3 days up to 5 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: amber.

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

Microorganism	ATCC	Inoculum CFU	Growth	Characteristics
<i>Aspergillus niger</i>	16404	50-100	good	black moulds
<i>Candida albicans</i>	10231	50-100	good	white colonies

• 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 K., 1892, Ann. Dermatol. Syphilol, 3:1061.
2. Marshall, R.T (ed.). 1993. 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.

• PACKAGE

Cat. No : MB-S0828 Sabouraud Dextrose (SD) Agar with Chloramphenicol No.1	500 G
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