

Sabouraud Chloramphenicol Agar



Medium used for the isolation and cultivation of yeasts and molds.

• CONTENTS (Liter)

Peptones	10.0 g
Glucose	20.0 g
Chloramphenicol	0.5 g
Agar	15.0 g
Final pH = 5.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 45.5 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 Chloramphenicol Agar is a medium used for the isolation and cultivation of yeasts and molds. Peptones serve as sources of carbon, nitrogen, vitamins and minerals. Glucose is a energy source for the growth of microorganisms. Chloramphenicol is a broad-spectrum antibiotic which inhibits a wide range of Gram-positive and Gram-negative bacteria and it makes the medium selective for fungi. The low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens. Agar is the solidifying agent.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 20 - 25°C for 48 - 72 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 / 48 - 72 hours

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

• REFERENCES

1. Sabouraud, R. 1892. Ann. Dermatol. Syphilol. 3:1061.
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3. Curry, A. S., J. G. Graf, and G. N. McEwen, Jr. (eds.). 1993. CTFA Microbiology Guidelines. The Cosmetic, Toiletry, and Fragrance Association, Washington, D.C.
4. Marshall, R. T. (ed.). 1993. Standard methods for the microbiological examination of dairy products, 16th ed. American Public Health Association, Washington, D.C.
5. U.S. Food and Drug Administration. 1995. Bacteriological analytical manual, 8th ed. AOAC International, Gaithersburg, MD.
6. Murray, P. R., E. J. Baron, M. A. Pfaller, F. C. Tenover, and R. H. Tenover (eds.). Manual of clinical microbiology, 6th ed. American Society for Microbiology, Washington, D.C.

• PACKAGE

Cat. No : MB-S2240 Sabouraud Chloramphenicol Agar	500 G
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