

Sabouraud CAF Actidion Agar

Medium used for the isolation and cultivation of dermatophyte.

• CONTENTS (Liter)

Peptone	10.0 g
Glucose	10.0 g
Cycloheximide	0.4 g
Chloramphenicol	0.05 g
Agar	15.0 g
Final pH = 7.0 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 35.45 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. Dispense in petri dishes.

• INTERPRETATION

Sabouraud CAF Actidion Agar is a medium used for the isolation and cultivation of dermatophyte. Peptone as sources of carbon, nitrogen, vitamins and minerals. Dextrose is a carbon source. Chloramphenicol is a broad-spectrum antibiotic which inhibits a wide range of gram-positive and gram-negative bacteria. Cycloheximide inhibits fungi. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 30 ± 2°C for 24 - 48 hours up to 7days. 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: 30 ± 2°C / 24 - 48 hours up to 7days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Candida albicans</i>	23724	50-100	good
<i>Candoda krusei</i>	32196	50-100	inhibited
<i>Saccharomyces cerevisiae</i>	76625	50-100	inhibited
<i>Aspergillus niger</i>	16404	heavy	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 or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. Booth C. (1971). *Methods in Microbiology*, Vol. 4, London: Accademic Press.
2. Stein R.J. (1973). *Handbook of Phycological Methods*, Cambridge: University Press

• PACKAGE

Cat. No : MB-S1179 Sabouraud CAF Actidion Agar	500 G
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