Sabouraud Chloramphenicol Gentamicin Tetrazolium Agar

Medium used for the isolation and identification of yeasts from all biological specimens.

• CONTENTS (Liter)

Peptone	10.0 g
Glucose	40.0 g
Chloramphenicol	0.4 g
Agar	15.0 g

Final pH = 5.6 ± 0.2 at 25°C

• PROCEDURE

Suspend 65.4 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. Aseptically add 4 mL of Gentamicin supplement (MB-G1833) and 5 mL of TTC 1% supplement (MB-T1867). Mix well. Pour into petri dishes.

Gentamicin supplement
1 vial contents

Gentamicin	0.05 g

TTC 1% supplement
1 vial contents

Triphenyl Tetrazolium Chloride (TTC)	0.05 g

• INTERPRETATION

Sabouraud Chloramphenicol Gentamicin Tetrazolium Agar is a medium used for the isolation and identification of yeasts from all biological specimens. Peptone provides carbon, nitrogen, vitamins and other nutrient source. Glucose is a carbohydrate source for fermentation. Chloramphenicol and gentamicin, the broad-spectrum antibiotics, inhibit a wide range of Gram-negative and Gram-positive bacteria. Yeasts reducing triphenyl tetrazolium chloride form colonies that are pigmented red to varying degrees depending on the species. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 35 ± 2°C for 24 - 48 hours up to 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: slightly opalescent
Color: light amber
Incubation conditions: 35 ± 2°C / 24 - 48 hours up to 72 hours

Microorganism	ATCC	Growth
Candida albicans	10231	good
Candida krusei	32196	good
Candida tropicalis	750	good
Escherichia coli	25922	inhibited
Staphylococcus aureus	25923	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. Brun, S., et al. 2001. Evaluation of five commercial Sabouraud gentamicin-chloramphenicol agar media. Eur. J. Clin. Microbiol. Infect. Dis. 20: 718-723.
2. Haley, L.D., J. Trandel, and M.B. Coyle. 1980. Cumitech 11, Practical methods for culture and identification of fungi in the clinical microbiology laboratory. Coordinating ed., J.C. Sherris. American Society for Microbiology, Washington, D.C.
3. Ajello, L., L.K. Georg, W. Kaplan, and L. Kaufman. 1963. CDC laboratory manual for medical mycology. PHS Publication No. 994, U.S. Government Printing Office, Washington, D.C.
4. MacFaddin, J.F. 1985. Media for isolation-cultivation- identification-maintenance of medical bacteria. vol. I. Williams & Wilkins, Baltimore.
5. Sabouraud, R. 1892. Contribution a l'etude de la trichophytie humaine. Etude clinique, microscopique et bacterioloqique sur la pluralité des trichophytons de l'homme. Ann. Dermatol. Syphil. 3: 1061-1087.
6. Pharmacopée Européenne, Addendum 4.2 de la IVe édition, 2002, p. 2841.
7. Basic Laboratory Procedures Clinical Bacteriology. World Health Organization. Geneva. 1991. 1st edition.

• PACKAGE

Cat. No : MB-S2244 Sabouraud Chloramphenicol Gentamicin Tetrazolium Agar	500 G

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