Sabouraud Chloramphenicol Agar

Intended Use
Sabouraud Chloramphenicol Agar is used for selective cultivation of Yeast and Moulds.

Summary
This medium was described originally by Sabouraud for the cultivation of fungi, particularly useful for the fungi associated with skin infections. The medium is often used with antibiotics such as chloramphenicol for the isolation of pathogenic fungi from materials containing large numbers of fungi or bacteria.

Principle
Tryptone and peptone provide nitrogenous and carbonaceous compounds, long chain amino acids, and other essential growth nutrients. Dextrose acts as an energy source. Chloramphenicol inhibits a wide range of Gram-positive and Gram-negative bacteria which makes the medium selective for fungi. The low pH favours fungal growth and inhibits contaminating bacteria from clinical specimens.

Formula*

Ingredients	**g/L**
Tryptone	5.0
Peptone	5.0
Dextrose	40.0
Chloramphenicol	0.05
Agar	15.0
Final pH (at 25°C)	5.6 ± 0.2

*Adjusted to suit performance parameters.

Directions
1. Loosen the cap.
2. Melt the medium completely in a water bath at 100°C. Do not remove the cap of the bottle while melting.
3. Cool to 45°C-50°C, mix well and pour into presterile petriplate.

Quality Control
Appearance: Light yellow coloured, slightly opalescent gel.
Growth Promotion Test: Growth promotion is carried out in accordance with the harmonized method of USP/EP/JP/IP after an incubation at 20°C-25°C for ≤ 5 days.
Growth Promoting Properties: The test results observed are within the specified temperature and shortest period of time.
Inhibitory Properties: No growth of the test microorganism occurs for the specified temperature and not less than the longest period of the time specified, inoculating >100 cfu of the appropriate microorganism at 30°C-35°C for ≥ 48 hours.

Organisms (ATCC)	**Growth**
Candida albicans 3147 (10231)	Good
Saccharomyces cerevisiae NRRL Y-567 (9763)	Good
Aspergillus brasiliensis WLRI 034(120) (16404)	Good
Inhibitory	
Escherichia coli (8739)	Inhibited

Remarks
1. Do not use media bottles that exhibit any damage, cracks, microbial contamination, discolouration, drying or any other sign of deterioration.
2. Ensure that the temperature of water bath is at 100°C so that the medium melts completely. Cooler water baths give rise to lumpy, uneven medium.
3. Before pouring into sterile petriplates, gently swirl the bottle to check whether the entire contents are properly mixed and melted.

4. Good laboratory practices and hazard precautions must be observed at all times.
5. After use media containers, prepared plates, sample, sample containers and other contaminated materials must be sterilized or incinerated before discarding.

Storage and Stability

1. Store the ready to use Sabouraud Chloramphenicol Agar at 2°C-8°C in a cool, dry place away from light.
2. Stability of the kit is as per expiry date mentioned on the label.

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference

1. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061.
2. Ajello L., 1957, J. Chron. Dis., 5:545.
3. Lorian (Ed.),1980, Antibiotics in Laboratory Medicine, Williams and Wilkins, Baltimore.
4. Murray, P. R 2005, In Manual of Clinical Microbiology, 7th ed., ASM, Washington, D.C.
5. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat. No.	Product Description	Pack Size
203190470100	Bottle Media	100 mL
203190470250	Bottle Media	6 x 250 mL