

Technical sheet Sabouraud Chloramphenicol Agar



SABOURAUD CHLORAMPHENICOL AGAR - 693439

PRINCIPLE

Sabouraud agar is a general-use medium, allowing the growth and isolation of a wide variety of yeasts and molds. The addition of chloramphenicol inhibits the growth of Gram-positive and Gram-negative bacteria.

FORMULA

Ingredients in grams per liter of purified water.

Casein Peptone	5.00	Standard white soda-lime type tubes.
Meat Peptone	5.00	External diameter: 17.75 mm
Glucose monohydrate	40.00	Length: 125mm
Chloramphenicol	0.50	Thickness: 1.05 mm
Agar	15.00	

This medium can be adjusted and/or supplemented according to the performance criteria imposed.

STORAGE CONDITIONS before opening

Tubes and bottles: 2 - 25°C

Dehydrated base: 2 - 30°C

The expiration date is indicated on the packaging

PREPARATION For

the dehydrated medium:

1. Suspend 65.5 grams in 1 liter of purified water. Bring the medium to a boil under constant stirring for at least 1 minute.
2. Distribute into tubes or vials.
3. Autoclave at 115°C for 15 minutes.

For the medium in bottles:

1. Liquefy the medium at 100°C in a water bath.
2. Mix well, let cool to 45-47°C.
3. Immediately divide into Petri dishes and leave to solidify on a cold surface.

EXPECTED CRITERIA

Appearance of the ready-to-use medium: amber agar

Physical chemistry: pH 5.6 ± 0.2 at 25°C

Microbiological activity

Strain reference	Inoculum required	Incubation duration and temperature	Expected result
<i>Candida albicans</i> ATCC 10231 • WDCM 00054	10 - 102 CEUs	2 to 5 days at 20-25°C	Growth
<i>Escherichia coli</i> ATCC 8739 • WDCM 00012	> 102 CEUs	2 to 5 days at 20-25°C	Inhibition
<i>Saccharomyces cerevisiae</i> ATCC 9763 • WDCM 00058	10 - 102 CEUs	2 to 5 days at 20-25°C	Growth

Example of performance tests recommended for this environment

BIBLIOGRAPHY 1.

Sabouraud, R. 1910. Les Tignes. Masson ed. Paris. France