

SABOURAUD Chloramphenicol Agar

For microbiological control only

SUMMARY AND EXPLANATION

Sabouraud Chloramphenicol agar is a selective medium recommended for the culture, isolation and enumeration of yeasts and filamentous fungi from polymicrobial samples.

PRINCIPLE

The presence of peptones and dextrose favors the growth of fungal strains. The pH of the agar, which is slightly acidic, favors fungal growth rather than bacterial growth. The chloramphenicol improves the selectivity for most bacteria.

THEORETICAL FORMULA

In grams per litre of purified water

Peptic digest meat and casein	10,00
Monohydrated dextrose	40,00
Chloramphenicol	0,05
Agar	15,00

final pH : 5,6 ± 0,2 at 25°C

Formula can be adjusted to meet performance criteria.

METHOD

Pour 65,0 gr (of Sabouraud dextrose agar or Sabouraud dextrose Agar with chloramphenicol) of powder into 1 litre of Purified water.

Bring slowly to the boil, under continuous homogenization as to obtain complete dissolution.

Dispense into tubes or flasks.

Sterilize in autoclave for 15 minutes at 121°C.

INSTRUCTIONS FOR USE

1. **Allow the bottles/tubes to come to room temperature.**
2. Loosen the cap on the bottle of agar.
3. Place the bottle of agar in a water bath equipped with a security system set at approximately 50°C. Increase the temperature to 100°C and leave the agar to melt (approximately 20 minutes).
4. Screw the cap back on (wear protective gloves to avoid thermal shock) and then mix.
5. Leave the bottles/tubes at room temperature for at least 15 seconds before transferring them to a thermostatically controlled water bath set at approximately 44-47°C. Maintain the bottles/tubes at this temperature until use.
6. Dispense into Petri dishes (18-20 ml per plate)
7. After reconstitution and cooling of the medium, keep the plates or tubes at 2 - 8°C.

Inoculation and incubation:

Please refer to different Pharmacopoeias or to laboratory procedure.

Generally, incubate for 3 to 5 days at 20-25°C.

For pour-plate inoculation, start from step 5.

The user is responsible for choosing the appropriate incubation time and temperature for the intended use, in accordance with current standards.

READING AND INTERPRETATION

- After incubation, observe the microbial growth.
- For the enumeration, Please refer to different Pharmacopoeias.
- Identification of the microorganism(s) isolated must be performed by direct examination of the specimen (colonial and microscopic morphology) or using supplementary tests (biochemical or immunological).

PACKAGING

Dehydrated medium (Store between 1 and 30°C)

AEB152352 : Flask of 500 g

Made by

AES CHEMUNEX - Combourg – France

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