

TECHNICAL DATA SHEET

Article No. 9675

Sabouraud Chloramphenicol Agar

SPECIFICATION

Medium for the enumeration and cultivation of fungi (Mould and Yeast).

Colour: Straw-coloured yellow
pH: 5.6 ± 0.2 at 25 °C

COMPOSITION IN G/L

D(+)-Glucose	40.00
Peptone from casein	5.00
Meat Peptone	5.00
Agar	15.00
Chloramphenicol	0.05

PACKAGING DETAILS

9675-10x200ML

Content	200 ± 5 ml
Bottle size	250 ml
Packaging details	10 bottles

1 box with 10 x 200 ml in 250 ml bottles. Injectable cap: Plastic screw inner cap. For use with syringe needles with a diameter ≤ 0.8 mm.

GUIDELINES

Description:

This culture medium differs from the classical Sabouraud Agar only by the addition of chloramphenicol. This thermostable antibiotic has a broad antibacterial spectrum which ensures the selective isolation of fungi from highly contaminated samples.



Technique:

To use, the contents of the bottle should be poured into plates. The melting of the culture medium should be carried out according to the manufacturer's instructions, either in a water bath or microwave oven. Never apply direct heat to melt a medium. The melting temperatures and times depend on the shape of the container, the volume of medium and the heat source. Before melting any medium loosen the screwcap of the container to avoid breaking the container. The medium should be melted only once and used. Media with agar should not be melted repeatedly as their characteristics change with each remelting. Overheating should be avoided as much as prolonged heating, especially with regard to media with an acidic or alkaline pH. Once melted pour the plates using aseptic techniques.

The technique of inoculation is by streaking methodology or by spiral method.

Incubate the plates right side up aerobically at 20-25 °C for up to 5 days.

(Incubation times greater those mentioned above or different incubation temperatures may be required depending on the sample, or the specifications).

After incubation, enumerate all the colonies that have appeared onto the surface of the agar.

Each laboratory must evaluate the results according to their specifications.

MICROBIOLOGICAL CONTROL

Melting - prepare plates - inoculation practical range 100 ± 20 CFU. min. 50 CFU (productivity) / 10⁴- 10⁶ CFU (selectivity).

Growth promotion test according to harmonized pharmacopoeial monographs and test methods & ISO 11133:2014/A1:2018.

Aerobiosis. Incubation at 22.5 °C ± 2.5. Reading at 24-72 h for bacteria and 3-5 days to yeasts and molds.

Mikroorganismus	Wachstum
<i>Aspergillus brasiliensis</i> ATCC® 16404, WDCM 00053	Good (≥50 %)
<i>Candida albicans</i> ATCC® 10231, WDCM 00054	Good (≥50 %)
<i>Saccharomyces cerevisiae</i> ATCC® 9763, WDCM 00058	Good (≥50 %)
<i>Escherichia coli</i> ATCC® 8739, WDCM 00012	Inhibited
<i>Bacillus subtilis</i> ATCC® 6633, WDCM 00003	Inhibited

Sterility control:

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

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STORAGE

8–25 °C

SHELF LIFE

12 months

