

# TECHNICAL DATA SHEET

Article No. 9170

**Sabouraud Dextrose Chloramphenicol Agar, prepared plates (double wrapping)**

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## SPECIFICATION

Prepared plates, 90 mm, double wrapping, irradiated. Solid medium for the enumeration and cultivation of fungi (Mould and Yeast). Ph. Eur., ISO 16212

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

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## COMPOSITION IN G/L

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

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## PACKAGING DETAILS

### 9170-20PLATES

20 prepared plates 90 mm double wrapping

Content: 21 ± 2 ml

Packaging unit: 1 box with 2 cellophane bags (double wrapping) with 10 plates/bag.  
Every pack exhibits a irradiation indicator stacked on the side of the bag.(8-14kGy).

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## 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.

The medium is also well suited for air environmental sampling (total compatibility with most commercially available air samplers) or for other types of environmental sampling (fingers or gloves of operators, swab streaking).



**Technique:**

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 than 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

Spiral Spreading: Practical range 100 ± 20 CFU. min. 50 CFU (productivity) / 10<sup>4</sup> - 10<sup>6</sup> CFU (selectivity).

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020

Aerobiosis. Incubation at 20-25 °C, reading after 24-72 hours for bacteria and 3-5 days for yeasts and moulds.

Microbiological control according to ISO 11133:2014/A1:2018.

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

**Sterility control:**

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.  
 Check at 7 days after incubation in same conditions.

## BIBLIOGRAPHY

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- ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- ISO 16212 Standard (2017) Cosmetics - Microbiology - Enumeration of yeast and mould.
- PAGANO, J. LEVIN, J.D. & TREJO, W. (1957-58) Diagnostic Medium for Differentiation of Species of Candida. Antibiotics Annual, 137-143.



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## STORAGE

2-14 °C

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## SHELF LIFE

3.5 months unopened from date of manufacture

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created: 11.07.2022

