

TECHNICAL DATA SHEET

Article No. 9780

Sabouraud Dextrose Agar, prepared plates

SYNONYMS

Sabouraud 4 % Dextrose agar, SAB

SPECIFICATION

Solid medium for the enumeration and cultivation of fungi according to the Pharmacopeial Harmonised Method and ISO standard.

Color: straw-colored yellow pH: 5.6 ±0.2 at 25 °C

COMPOSITION IN G/L

D(+)-Glucose (Dextrose)	40.0
Casein peptone	5.0
Meat peptone	5.0
Agar	15.0

PACKAGING DETAILS

 9780-20PLATES

 20 prepared plates 90 mm

 Content:
 21 ±2 ml

 Packaging unit:
 1 box with 2 packs of 10 plates/pack. Single cellophane.

GUIDELINES

Description:

Sabouraud Dextrose Agar is a modification of the classical Sabouraud medium for the cultivation of fungi. This formula helps to maintain the morphology of fungi, providing a reliable medium for both cultivation and differentiation. Its selectivity is due to a low pH and a high glucose concentration, which together with incubation at a relatively low temperature (20-25 °C) favors the growth of fungi while discouraging that of bacteria. The mixture of peptones employed has been selected to provide the fungi with all nitrogen requirements.



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Technique:

Spread the plate by streaking method or spiral method. Each laboratory must evaluate the results according to their specifications.

Note: Petri plates are used for monitoring the microbiological contamination of surface and air inside cleanrooms, isolators, RABS, food industries and hospitals. The double/triple irradiated wrapping ensures that the package itself doesn't contaminate the environment as the first wrapper is removed just before entering the clean area.

MICROBIOLOGICAL CONTROL

Growth Promotion Test 50-100 CFU acc. to harmonized pharmacopoeial monographs and test methods & ISO 11133:2014/A1:2018.

Spiral Spreading: Practical range 50-100 CFU (productivity).

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

Aerobiosis. Incubation at 20-25 °C. Reading ≤5 days.

Microorganism	Growth
Candida albicans ATCC [®] 10231, WDCM 00054	Good (≥70 %)
Aspergillus brasiliensis ATCC [®] 16404, WDCM 00053	Good (≥70 %)
S. cerevisiae ATCC [®] 9763, WDCM 00058	Good (≥70 %)

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

· AJELLO, L. (1957) Cultural Methods for Human Pathogenic Fungi J. Chron. Dis. 5:545-551.

· COLIPA (1997) Guidelines on Microbial Quality Management (MQM). Brussels.

• EUROPEAN PHARMACOPOEIA 10.0 (2020) 10th ed. § 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. EDQM. Council of Europe. Strasbourg.

· GEORGE, L.K., AJELLO, L. & PAPAGEORGE, C. (1954) Use of Cycloheximide in the Selective Isolation of Fungi Pathogenic to Man. J. Lab. Clin. Med, 44 (422-428).

· HANTSCHKE, D. (1968) Mykosen, 11, (769-778).

· 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 mold.

• PAGANO, J. LEVIN, J.D. and TREJO, W. (1957-58) Diagnostic Medium for Differentiation of Species of *Candida*. Antibiotics Annual, 137-143.

· SABOURAUD, R. (1910) Les Teignes. Masson, Paris.

· USP 33 - NF 28 (2011) <62> Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. USP Corp. Inc. Rockville. MD. USA.



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STORAGE

2-14 °C

SHELF LIFE

3 months



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