TECHNICAL DATA SHEET

Article No. 9797

Sabouraud Dextrose Agar, prepared plates (triple wrapping)

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 ºC

COMPOSITION IN G/L

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

PACKAGING DETAILS

9797-20PLATES
20 prepared plates 90 mm, triple wrapping, irradiated

Content:	21 ±1 ml
Packaging unit:	1 box with 3 cellophane bags (triple wrapping) with 10 plates/bag. Every pack exhibits a irradiation indicator stacked on the side of the bag (8-14 KGy).

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 their nitrogen requirements.

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 ºC. 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 ºC and 48 h at 20-25 ºC: NO GROWTH.
Check at 7 days after incubation in same conditions.

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STORAGE

2-14 °C

SHELF LIFE

3.5 months

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