

Specification

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

Presentation

	Packaging Details	Shelf Life	Storage
20 Plates /Irradiated 90 mm - Double wrapping with: 21 ± 2 ml	1 box with 2 cellophane bags (double wrapping) with 10 plates/bag. Side labeling. Every pack exhibits a irradiation indicator stacked on the side of the bag.(8 -14kGy).	3,5 months	2-14 °C

Composition

Composition (g/l):	
D(+)-Glucose.....	40.0
Peptone from casein	5.00
Meat Peptone.....	5.00
Agar.....	15.0

Description /Technique

Sabouraud Dextrose Agar is a modification of the classical Sabouraud medium for the cultivation of fungi. This new 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 lower temperature (20 -25°C) favours 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.

Spread the plate streaking methodology or by spiral method.

Each laboratory must evaluate the results according to their specifications.

Attention: 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.

Quality control

Physical/Chemical control

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

Microbiological control

Growth Promotion Test 50-100 CFU according to harmonized Pharmacopoeia monographs (EP) and test methods & ISO 11133:2014/A1:2018

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

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

Aerobiosis. Incubation at 20-25°C and 30-35°C. Reading at 72 hours for bacteria and 3-5 days for yeast and moulds.

Microorganism

Aspergillus brasiliensis ATCC® 16404, WDCM 00053
S. cerevisiae ATCC® 9763, WDCM 00058
Candida albicans ATCC® 10231, WDCM 00054 (20-25°C)
Candida albicans ATCC® 10231, WDCM 00054 (30-35°C)

Growth

Good (≥70%)
 Good (≥70%)
 Good (≥70%)
 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

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