

Specification

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

Presentation

20 Plates/Irradiated
90 mm - Triple Wrapping
with: 21 ± 1 ml

Packaging Details

1 box with 2 BOPP bags (triple wrapping) with 10 plates/bag. Every pack exhibits a irradiation indicator stacked on the side of the bag (8-14 KGy) with desiccant.
LATERAL LABELLING

Shelf Life

8 months

Storage

15-25 °C

Composition

Composition (g/l):

D(+)-Glucose..... 40.0
Peptone from casein 5.0
Meat Peptone..... 5.0
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.
Wrapping resistant to hydrogen peroxide vapors penetration.

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 pharmacopoeial monographs 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. Reading ≤5 days.

Microorganism

Candida albicans ATCC® 10231, WDCM 00054

Aspergillus brasiliensis ATCC® 16404

Saccharomyces cerevisiae ATCC® 9763

Growth

Good (≥70%)

Good (≥70%)

Good (≥70%)

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.

Bibliography

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