

Specification

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

Presentation

	Packaging Details	Shelf Life	Storage
30 Prepared Plates 55 mm Plates for filtration purposes with: 9 ± 1 ml	1 box containing: 5 plastic bags with 6 plates of 55 mm/ bag.	6 months	2-25°C

Composition

Composition (g/l):

D(+)-Glucose.....	40.0
Peptone from casein	5.0
Meat Peptone.....	5.0
Agar.....	15.0

Description /Technique

Collect, dilute and prepare samples and volumes to be filtered as required according to specifications, directives, official standard regulations and/or expected results.

Filter the sample through a 0.45 μ m pore membrane and apply it onto the surface of the agar.

Incubate the plates aerobically at 22 +/- 2°C up to 5 days

(Incubation times greater than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications,...)

After incubation, enumerate all the colonies that have appeared onto the surface of the membrane.

Calculate total microbial count per ml of sample by multiplying the average number of colonies per membrane by the inverse dilution factor. Report results as Colony Forming Unit (CFU's) per ml along with incubation time and temperature.

Quality control

Physical/Chemical control

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

Microbiological control

Growth Promotion Test according to harmonized pharmacopoeial monographs and test methods & ISO 11133:2014

Membrane Filtration /Practical range 100±20 CFU; Min. 50 CFU (Productivity)./10⁴-10⁶ CFU for Selectivity.

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

Microorganism

Aspergillus brasiliensis ATCC® 16404, WDCM 00053

Candida albicans ATCC® 10231, WDCM 00054

S. cerevisiae ATCC® 9763, WDCM 00058

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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