

Specification

Medium for the enumeration and cultivation of fungi (Mould and Yeast).

Presentation

20 Plates /Irradiated
90 mm - Double wrapping
with: 21 ± 2 ml

Packaging Details

1 box with 2 cellophane bags (double wrapping)
with 10 plates/bag. Every pack exhibits a irradiation
indicator stacked on the side of the bag.(8-14kGy).

Shelf Life

3,5 months

Storage

2-14°C

Composition

Composition (g/l):

D(+)-Glucose.....	40.0
Peptone from casein	5.00
Meat Peptone.....	5.00
Agar.....	15.0
Chloramphenicol.....	0.05

Description /TechniqueDescription

This culture medium differs from the classical Sabouraud Agar only by the addition of chloramphenicol. This thermostable antibiotic has a broad antibacterial spectrum which ensures the selective isolation of fungi from highly contaminated samples. This medium is also well suited for air environmental sampling (total compatibility with most commercially available air samplers) or for other types of environmental sampling (fingers or gloves of operators, swab streaking).

Technique

The technique of inoculation is by streaking methodology or by spiral method.

Incubate the plates right side up aerobically at 20-25°C for up to 5 days.

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

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

Each laboratory must evaluate the results according to their specifications.

Quality controlPhysical/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

Inoculate: Practical range 100 ± 20 CFU; Min. 50 CFU (Productivity)/ 10⁴-10⁶ (Selectivity).

Aerobiosis. Incubation at 20-25 °C, reading after 24-72 hours for bacteria and 3-5 days for yeasts and moulds

Microorganism

Candida albicans ATCC® 10231, WDCM 00054
Aspergillus brasiliensis ATCC® 16404, WDCM 00053
S. cerevisiae ATCC® 9763, WDCM 00058
Bacillus subtilis ATCC® 6633, WDCM 00003
Escherichia coli ATCC® 8739, WDCM 00012

Growth

Good (≥ 50 %)
Good (≥ 50 %)
Good (≥ 50 %)
Inhibited
Inhibited

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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