

Specification

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

Presentation

20 Prepared Plates
90 mm
with: 21 ± 2 ml

Packaging Details

1 box with 2 packs of 10 plates/pack. Single cellophane..

Shelf Life

3 months

Storage

2-14 °C

Composition

Composition (g/l):

D(+)-Glucose.....	40.00
Peptone from casein	5.00
Meat Peptone.....	5.00
Agar.....	15.00
Chloramphenicol.....	0.05

Description /Technique

Description

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.

Precautions

For in vitro diagnostic use. Do not reuse. For professional use only.

Do not use the product if it shows evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

Quality control

Physical/Chemical control

Color : Straw-coloured yellow

pH: 5.6 ± 0.2 at 25°C

Microbiological control

Spiral Spreading: Practical range 100 ± 20 CFU. min. 50 CFU (productivity) / 10⁴-10⁶ CFU (selectivity).

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

Aerobiosis. Incubation at 25 ± 2,5 °C and 30-35°C. Reading at 72 hours for bacteria and 3-5 days for yeast and moulds.

Microbiological control according to ISO 11133:2014/A1:2018.

Microorganism

Aspergillus brasiliensis ATCC® 16404, WDCM 00053

Bacillus subtilis ATCC® 6633, WDCM 00003

Saccharomyces cerevisiae ATCC® 9763

Escherichia coli ATCC® 8739, WDCM 00012

Candida albicans ATCC® 10231 (20-25°C)

Candida albicans ATCC® 10231, WDCM 00054 (30-35°C)

Growth

Good (≥50 %)

Inhibited

Good (≥50 %)

Inhibited

Good (≥50 %)

Good (≥50 %)

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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