

Specification

Solid medium for the cultivation and enumeration of yeast and f13/05/2024ungi, according to the Pharmacopeial.

Presentation

10 Prepared bottles
Bottle 125 ml
with: 100 ± 3 ml

Packaging Details

1 box with 10 bottles 125 ml. Injectable cap: Plastic screw inner cap. The use of syringes needles with a diameter greater than 0.8 mm is not recommended.

Shelf Life

12 months

Storage

2-25 °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 /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.

Directions for Use:

To use, the contents of the bottle should be poured into plates. The melting of the culture medium should be carried out according to the manufacturer's instructions, either in a water bath or microwave oven. Never apply direct heat to melt a medium. The melting temperatures and times depend on the shape of the container, the volume of medium and the heat source. Before melting any medium loosen the screwcap of the container to avoid breaking the container. The medium should be melted only once and used. Media with agar should not be melted repeatedly as their characteristics change with each remelting. Overheating should be avoided as much as prolonged heating, especially with regard to media with an acidic or alkaline pH. Once melted pour the plates using aseptic techniques. 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

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

Melting - pour plates - inoculation 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.

Microorganism*Aspergillus brasiliensis* ATCC® 16404, WDCM 00053*S. cerevisiae* ATCC® 9763, WDCM 00058*Escherichia coli* ATCC® 8739, WDCM 00012*Bacillus subtilis* ATCC® 6633, WDCM 00003*Candida albicans* ATCC® 10231, WDCM 00054 (20-25°C)*Candida albicans* ATCC® 10231, WDCM 00054 (30-35°C)**Growth**

Good (≥50 %)

Good (≥50 %)

Inhibited

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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