

## Specification

Sterile selective supplement used for *Yeast and Mould* isolation.

## Presentation

10 Freeze dried vials  
Vial  
with: 3 ± 0.1 g

### Packaging Details

22±0.25 x 55±0.5 mm glass vials, tag labelled, White plastic cap - 10 vials per box.

### Shelf Life

49 months

### Storage

2-25 °C

## Composition

Compositon (g/vial)

Chloramphenicol..... 0.050

Note: Each vial is sufficient to supplement  
1L of medium Base.

Reconstitute the original freeze-dried vial

by adding

Sterile Distilled Water..... 6 ml

## Description /Technique

### Description:

Chloramphenicol selective supplement is added to Sabouraud Agar in order to obtain a complete medium suitable for the cultivation and differentiation of fungi.

### Technique:

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

Reconstitute the vial with 6 ml of steril distilled water in aseptic conditions and add it to 1L of sterilized Sabouraud Agar base cooled to room temperature.

Do not overheat once supplemented.

Once solidified on a flat surface, spread the plates by streaking methodology or by spiral method.

Incubate the plates right side up in aerobic atmosphere at 20-25°C for 48h to 5 days.

Incubation times longer 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 agar.

Presumptive isolation of any pathogenic Yeast and/or Mould must be confirmed by further microbiological and biochemical tests.

## Quality control

### Physical/Chemical control

Color : White-Gray

pH: at 25°C

### Microbiological control

Reconstitute 1 vial as indicated in COMPOSITION; shake and dissolve completely

Add 1 vial to 1L of medium base. DO NOT HEAT once supplemented.

Aerobiosis. Incubation at 25-30 °C reading at 48-72 hours to 5 days.

### Microorganism

*Aspergillus brasiliensis* ATCC® 16404

*Candida albicans* ATCC® 10231, WDCM 00054

*Escherichia coli* ATCC® 25922, WDCM 00013

*Staphylococcus aureus* ATCC® 6538, WDCM 00032

### Growth

Good

Good

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**

- AJELLO, L. (1957) Cultural Methods for Human Pathogenic Fungi J. Chron. Dis. 5:545-551.
- COLIPA (1997) Guidelines on Microbial Quality Management (MQM). Brussels.
- EUROPEAN PHARMACOPOEIA 8.0 (2014) 8th ed. § 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. EDQM. Council of Europe. Strasbourg.
- GEORGE, L.K., AJELLO, L. & PAPAGEORGE, C. (1954) Use of Cycloheximide in the Selective Isolation of Fungi Pathogenic to Man. J. Lab. Clin. Med, 44 (422-428).
- HANTSCHKE, D. (1968) Mykosen, 11, (769-778).
- ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- PAGANO, J. LEVIN, J.D. and TREJO, W. (1957-58) Diagnostic Medium for Differentiation of Species of *Candida*. Antibiotics Annual, 137-143.
- SABOURAUD, R. (1910) Les Teignes. Masson, Paris.
- USP 33 - NF 28 (2011) <62> Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. USP Corp. Inc. Rockville. MD. USA.