

Specification

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

Presentation

	Packaging Details	Shelf Life	Storage
10 Freeze dried vials Vial with: 3 ± 0.1 g	22±0.25 x 55±0.5 mm glass vials, tag labelled, White plastic cap - 10 vials per box.	49 months	2-25 °C

Composition

Composition (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

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

Growth

Aspergillus brasiliensis ATCC® 16404, WDCM 00053

Good

Candida albicans ATCC® 10231, WDCM 00054

Good

Escherichia coli ATCC® 25922, WDCM 00013

Inhibited

Staphylococcus aureus ATCC® 6538, WDCM 00032

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.