

A.B.E. - Technical Data Sheet

Product: Chloramphenicol Selective Suppl.(50 mg)

Specification			
Sterile selective supplement used for Yeast a	and Mould isolation.		
Presentation			
10 Freeze dried vials Vial with: $3 \pm 0.1$ g	<b>Packaging Details</b> 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)	Noto: Each vial is sufficient to supplement		
Chloramphenicol 0.050	Note: Each vial is sufficient to supplement 1L of medium Base.		
Reconstitute the original freeze-dried vial by adding Sterile Distilled Water6 ml			
Description /Technicus			

## **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 suplemented.

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 requied 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

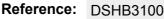
Add 1 vial to 1L of medium base. DO NOT HEAT once supplemented.

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

Microorganism	Growth
Aspergillus brasiliensis ATCC <sup>®</sup> 16404, WDCM 00053	Good
Candida albicans ATCC <sup>®</sup> 10231, WDCM 00054	Good
Escherichia coli ATCC <sup>®</sup> 25922, WDCM 00013	Inhibited
Staphylococcus aureus ATCC <sup>®</sup> 6538, WDCM 00032	Inhibited

#### **Sterility control**

Incubation 48 hours at 30-35  $^{\circ}\text{C}$  and 48 hours at 20-25  $^{\circ}\text{C}$ : NO GROWTH. Check at 7 days after incubation in same conditions.







Product: Chloramphenicol Selective Suppl.(50 mg)

## 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.