

Chloramphenicol Selective Supplement



- For in vitro use only -

Catalogue No.

VC55-05 Chloramphenicol Selective Supplement [5-mL / 500-mL] (Liquid)

LC55-05 Chloramphenicol Selective Supplement [5-mL / 500-mL] (Lyophilized)

A selective supplement used in the isolation of yeasts and molds when incorporated into Rose Bengal Agar or other similar mediums. The active ingredient, chloramphenicol, is a highly effective broad-spectrum antimicrobial agent active against many gram-positive and gram-negative bacteria. Therefore competing bacterial flora are inhibited on the completed medium while allowing yeasts and molds to grow.

Active Ingredients per 5-mL Vial (Each vial prepares 500-mL of media)

Chloramphenicol..... 50.0 mg

Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Difco	Rose Bengal Agar Base	289410
Oxoid	Rose Bengal Chloramphenicol Agar	CM549
Oxoid	DRBC Agar Base	CM727
Oxoid	Dichloran-Glycerol (DG-18) Agar Base	CM729

Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to use:

1. Aseptically add 5.0-mL of ethanol or denatured alcohol to the vial.
2. Swirl vial gently until supplement is completely dissolved.

Recommended Method for Media Preparation (Rose Bengal Agar)

1. Allow one 5.0-mL vial of Chloramphenicol Selective Supplement to adjust to room temperature prior to using.
2. Suspend 16.0-g of Rose Bengal Agar in 500-mL of purified water and bring to a boil to dissolve completely.
3. Mix supplement well before adding. Add the 5.0-mL vial of Chloramphenicol Selective Supplement to the medium; mix well to incorporate the supplement thoroughly into the medium.
4. Sterilize Rose Bengal Agar or according to the manufacturer's instructions (autoclave for 15 minutes at 121°C).

5. Cool medium to 45 to 50°C in a warm water bath.
6. Pour the completed medium into sterile petri dishes.
7. Allow medium to set on a level surface.

***Note:** For other mediums follow base manufacturers recommendations for preparation

Precautions & Notes

- *Chloramphenicol is heat stable and can be autoclaved.*
- *Our Chloramphenicol Selective Supplement can be used for other mediums such as DCLS or DRBC Agar but some media manufactures may include chloramphenicol in the base powder. Check manufacturers formulations or recommendations prior to using.*

Quality Control

The following organisms are used to determine the performance of the completed medium. Inoculate and incubate aerobically at 25-30°C for up to 7 days.

Organism	Expected Results
<i>Candida albicans</i> ATCC 10231	Growth
<i>Escherichia coli</i> ATCC 25922	Partial to complete inhibition
<i>Staphylococcus aureus</i> ATCC 25923	Partial to complete inhibition

Storage and Shelf Life

Our frozen Chloramphenicol Selective Supplement has a shelf life of 26 weeks from the date of manufacture when stored at -20°C. The lyophilized supplement has a shelf life of 104 weeks (2 years) from the date of manufacture when stored at 4 to 8°C.

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