

CCF Supplement (*Clostridium difficile*)



- For in vitro use only -

Catalogue No.

VC60-05 CCF Supplement [5-mL / 500-mL] (Frozen Liquid)

LC60-05 CCF Supplement [5-mL / 500-mL] (Lyophilized)

A selective supplement used in the isolation of *Clostridium difficile* when incorporated into Clostridium Difficile Agar. Cefoxitin and cycloserine are incorporated to inhibit the normal bacterial fecal flora. These antibiotics have a wide spectrum of antimicrobial activity against aerobic, anaerobic, facultative anaerobic gram-positive and gram-negative bacteria while permitting the recovery of *Clostridium difficile*.

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

Cycloserine..... 125 mg
Cefoxitin..... 4 mg

Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Acumedia	Clostridium Difficile Agar	7385
Oxoid	Clostridium Difficile Agar Base	CM0601

Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to use:

1. Aseptically add 5.0-mL of cool, sterile, purified water to the vial.
2. Swirl vial gently until supplement is completely dissolved.

Recommended Method for Media Preparation

1. Allow one 5.0-mL vial of CCF Supplement to adjust to room temperature prior to using.
2. Prepare and sterilize 500-mL of Clostridium Difficile Agar according to the manufacturers recommendations.
3. Cool medium to 45 to 50°C in a water bath.
4. Mix supplement well before adding.
5. Aseptically add the 5.0-mL vial of CCF Supplement and 7% (v/v) of defibrinated horse blood to the medium; mix well to incorporate the supplement and blood thoroughly into the medium.
6. Dispense medium into sterile petri dishes.
7. Allow medium to set on a cool, level surface.

Quality Control

The following organisms are used to determine the performance of the completed medium. Inoculate and incubate at 35°C in an anaerobic environment for 48 hours.

Organism	Expected Results
<i>Clostridium difficile</i> NCTC 11204	Growth, grey-white colonies
<i>Staphylococcus aureus</i> ATCC 25923	Inhibition
<i>Escherichia coli</i> ATCC 25922	Inhibition

Storage and Shelf Life

Our frozen CCF 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.

Original: December 2008 Updated: January 2012 Checked: January 2014