

Campylobacter Growth Enrichment



- For in vitro use only -

Catalogue No.

VC18-05 Campylobacter Growth Enrichment [5-mL / 500-mL] (Frozen Liquid)

LC18-05 Campylobacter Growth Enrichment [5-mL / 500-mL] (Lyophilized)

An enrichment used to improve the growth and aerotolerance of *Campylobacter* species when incorporated into Campylobacter Agar or Broth.

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

Sodium pyruvate 0.125 g
Sodium metabisulfite 0.125 g
Ferrous sulfate 0.125 g

Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Acumedia	Campy Selective Agar Base (Preston)	7743
Difco	Campylobacter Agar Base	214892 / 218201
Merck	Campylobacter Selective Agar Base	1.02248
Oxoid	Campylobacter Agar Base	CM689
Oxoid	Nutrient Broth No. 2	CM67

* This is a general enrichment that can be used in a wide variety of Campylobacter agars and broths to improve growth and isolation

Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to using:

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

Recommended Procedure for Media Preparation

1. Allow one 5.0-mL vial of Campylobacter Growth Enrichment to adjust to room temperature prior to using. If selective supplements or lysed horse blood are also required remove them from the fridge or freezer and allow them to adjust to room temperature prior to using.
2. Prepare and sterilize 500-mL of Campylobacter Agar Base according to the manufacturer's recommendations.
3. Cool medium to 45 to 50°C in a warm water bath.
4. Mix supplements well before adding.

5. Aseptically add the 5.0-mL vial of Campylobacter Growth Enrichment to the medium; mix well to incorporate the supplement thoroughly into the medium. Add any selective supplements and/or lysed horse blood at this point as well. Mix gently.
6. Dispense medium into sterile petri dishes. Allow medium to set on a cool, level surface.

Quality Control

The following organisms should be used to determine the performance of the completed medium. Inoculate and incubate at 37°C for 48 hours.

Organism	Expected Results
<i>Campylobacter jejuni</i> ATCC 29428	Growth, gray colonies

Storage and Shelf Life

Our frozen Campylobacter Growth Enrichment 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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