

Karmali Campylobacter Supplement (iS47029)

A selective supplement for the isolation of thermotolerant *Campylobacter* species, such as *Campylobacter jejuni* and *Campylobacter coli*, when incubated at 42 °C.

Industry: Food

Description

This supplement, designed for the isolation of thermotolerant *Campylobacter* species from food and animal feeds, imparts selectivity to the medium. Key antibiotics play specific roles: Vancomycin suppresses Gram-positive organisms, Cefoperazone inhibits Gram-negative bacteria excluding *Campylobacter*, and Cycloheximide hinders fungal growth. Additionally, Sodium pyruvate serves as an energy source for bacterial metabolism and aids in revitalizing stressed organisms.

Content per Vial

1 Vial for 500 ml of culture medium.

Sodium pyruvate	50.0 mg
Cefoperazone	16.0 mg
Cycloheximide	50.0 mg
Vancomycin	10.0 mg

Directions

Add 5 ml of sterile distilled water into one vial and gently mix to ensure complete dissolution of the contents. Filter sterilize the solution and, under aseptic conditions, add it to 500 ml of sterile Karmali Campylobacter Agar Base cooled to 50 °C. Thoroughly mix the solution and pour it into Petri dishes.

Storage

Store in a light-protected environment at -20°C.