

Modified Karmali Campylobacter Selective Supplement (iS47068)

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

Modified Karmali Selective Supplement is utilized in a blood-free selective medium designed for the isolation of *Campylobacter jejuni* and *Campylobacter coli* at 42°C. It contains sodium pyruvate, which serves as an additional energy source and may offer protection against hydrogen peroxide. The supplement also features Cefoperazone, effective against *Pseudomonas*, and Vancomycin, a glycopeptide antibiotic effective against Gram-positive bacteria. Additionally, Amphotericin B, a polyene antifungal, is included in its formulation.

Content per Vial

1 Vial for 500 ml of culture medium.

Sodium pyruvate	50.0 mg
Cefoperazone	16.0 mg
Amphotericin B	5.0 mg
Vancomycin	10.0 mg

Directions

Mix 5 ml of sterile distilled water with the contents of one vial, ensuring complete dissolution. Filter sterilize the solution and aseptically introduce it to 500 ml of sterile Karmali Campylobacter Agar Base cooled to 50 °C. Thoroughly blend the mixture and pour it into Petri dishes.

Storage

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