

CM 20369 – CAMPYLOBACTER CEFEX BROTH BASE

INTENDED USE

For selective isolation of Campylobacter species from faecal samples, foods and environment.

PRODUCT SUMMARY AND EXPLANATION

Campylobacter cefexbroth base is used for isolation and cultivation of Campylobacter species. Campylobacter is a Gram negative, motile, microaerophilic and spiral group of bacteria. The bacterium has a characteristic corkscrew (spiral) appearance and hence it is named as Campylobacter (twisted bacteria). Campylobacter jejuni is recognized as a most prevalent food borne pathogen. The infection occurs due to the consumption of undercooked or contaminated food products, especially poultry products. Campylobacter fetus can cause spontaneous abortions in cattle and sheep and also act as opportunistic pathogen in humans.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymatic hydrolysate	15.000
Peptic digest of animal tissue	10.000
Sodium chloride	5.000
Yeast extract	2.000
Glucose	1.000
Ferrous sulphate	0.500
Sodium pyruvate	0.500
Sodium bisulphite	0.350

PRINCIPLE

Casein hydrolysate, peptic digest of animal tissue and yeast extract provide nitrogenous compounds, carbon, sulphur, vitamins and trace ingredients. Glucose is utilized as an energy source. Sheep blood supplies the X-factor (heme) and other growth requirements. Incorporation of antibiotics suppresses the growth of the normal microbial flora in the specimens thereby facilitating isolation of Campylobacter species. The addition of antimicrobials to the medium is required to suppress the growth of normal flora. Cefoperazone is added to inhibit many gram positive and gram-negative organisms (Aerobic and anaerobic). Cycloheximide is added to inhibit the growth of contaminating fungi. Campylobacter Cefex Agar Base can be used for direct inoculation or indirect inoculation. After inoculation, incubate the plates at 42°C for 48-72 hours in microaerophilic atmosphere.

INSTRUCTION FOR USE

Dissolve 34.35 grams in 950 ml distilled water.

Heat to boiling to dissolve the medium completely.










Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Cool to 50°C.

Aseptically add 50 ml defibrinated sheep blood or 5-7% v/v laked horse blood and rehydrated contents of one vial of Park and Sanders Selective Supplement II.

Mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS



 GMP Good Manufacturing Practices Certified	 Best Before	 QTY. Quantity	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 LOT/ B. NO. Lot / Batch Number	 Consults Instructions for Use	 QR Code	

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.
*For LabUse Only

