

Reference: 6053

Technical Data Sheet

Product: CCDA SUPPLEMENT (CAMPYLOBACTER **BLOOD FREE**)

Specification

Sterile selective supplement for the Campylobacter spp. expecially in food samples.

Presentation

Shelf Life Storage **Packaging Details** 10 Freeze dried vials 49 months 2-25 ºC 22±0.25 x 55±0.5 mm glass vials, tag labelled, White plastic cap - 10 vials with: 3 ± 0.1 g

Composition

Compositon (g/vial)

 Note: Each vial is sufficient to supplemented 500 ml of Blood Free Campylobacter Agar Base.

Reconstitute the original freeze-dried vial

by addina

Sterile Distilled Water......5 ml

Description / Technique

Description:

The formulation of Campylobacter Blood-Free Selective agar is a modification of the original Bolton's one first of all in the absence of blood, replaced by charcoal, ferrous sulphate and sodium pyruvate; then in the change of Cephazolin with Cefoperazone and the addiction of Amphotericin which improve the selectivity of this medium.

Technique:

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results.

Reconstitute the vial with 5ml of sterile diluent, pre-warmed to aprox. 37°C and add it to 500 ml Cat. 1129 Campylobacter Agar Base Blood Free (CCDA) ISO cooled to 50°C temperature before pouring into Petri dishes.

Once solidified on a flat surface, spread the plates by streaking methodology or by spiral method.

Incubate the plates in microaerophilic atmosphere at 40-42°C for 24-48h.

(Incubation times longer than those mentioned above or different incubation temperatures may be requied depending on the sample or the specifications).

After incubation, count all the colonies that have appeared onto the surface of the agar.

Presumptive isolation of Campylobacter spp. must be confirmed by further microbiological and biochemical tests.

Quality control

Physical/Chemical control

Yellowish-brown Color: pH: at 25°C

Microbiological control

Reconstitute 1 vial as indicated in COMPOSITION: shake and dissolve completely

Add 1 vial to 500 ml of medium base. DO NOT HEAT once supplemented.

Microaerophilia. Incubation at 35 ± 2°C or 42 ± 2°C during 24-48 horas

Distribute the complete medium, cooled to 50 °C, into 90 mm plates

Incubate according instructions for complete medium indicated in COMPOSITION.

Microaerophilia. Incubation at 41,5 ± 1 °C; reading at 44±4 h

Microorganism

Campylobacter jejuni ATCC® 29428, WDCM 00156 Camp. coli-jejuni ATCC® 33291, WDCM 00005 Escherichia coli ATCC® 8739, WDCM 00012 Stph. aureus ATCC® 25923, WDCM 00034

Sterility Control

Add 5 ml of the sample to: 100 ml TSB and 100 ml Thioglycollate. Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Growth

Good (≥ 50 %) Good (≥ 50 %) **Partial Inhibition** Inhibited

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