ALLIANCE BIO EXPERTISE

Reference: DSHB3110 **A.B.E. - Technical Data Sheet**

Product: **Campylobacter CCDA Selective Suppl. (ISO)**

Specification

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

Presentation

	Packaging Details	Shelf Life	Storage
10 Freeze dried vials Vial with: 3 ± 0.1 g	23x60 mm glass vials, tag labelled, White plastic cap - 10 vials per box.	49 months	2-25 ºC

Composition

Compositon (g/vial)

Cefoperazone..... 0.016
Amphotericin B..... 0.005

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

Reconstitute the original freeze-dried vial by adding
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 a of sterile diluent, pre-warmed to aprox. 37ºC and add it to 500 ml of any melted Agar base para CCDA cooled to 50ºC 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 40-42ºC 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

Color : Yellowish-brown

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 ± 2ºC or 42 ± 2ºC during 24-48 horas

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

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

Incubate according instructions for complete medium indicated in COMPOSITION.

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

Microorganism	Growth
Campylobacter jejuni ATCC® 29428, WDCM 00156	Good (≥50 %)
Camp. coli-jejuni ATCC® 33291, WDCM 00005	Good (≥50 %)
Escherichia coli ATCC® 8739, WDCM 00012	Partial Inhibition
Stph. aureus ATCC® 25923, WDCM 00034	Inhibited

Sterility control

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

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