

Reference: 06-133LYO1 Scharlau Microbiology - Technical Data

Product: Campylobacter CCDA Selective Suppl. (ISO)

Specification

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

Presentation

10 Freeze dried vials
Vial
Packaging Details
Vial
23x60 mm glass vials, tag labelled, White plastic cap with: 3 ± 0.1 q
25 °C
10 vials per box.

Composition

Compositon (g/vial)

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

 Cefoperazone
 0.016

 Amphotericin B
 0.005

Reconstitute the original freeze-dried vial

by adding:

Sterile Distilled Water.....6 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. 37°C and add it to 500 ml of any melted Agar base para CCDA 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.

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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 ± 2°C or 42 ± 2°C during 24-48 horas

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

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 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

Growth

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

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