Technical Data Sheet

Product: CIN SUPPLEMENT CEIVD

Specification

% Condalab

Sterile selective supplement used for Yersinia sp. isolation according to ISO 10273:2003

Presentation

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

Composition	(g/vial)
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Cefsulodin	.0.00750
lrgasan®	0.00200
Novobiocin	. 0.00125

Note: Each via is sufficient to supplement 500 ml of Yersinia CIN Base

Reconstitute the original freeze-dried vial	
by adding	
Sterile Distilled Water6 m	

Description / Technique

Description:

Yersinia Selective supplement is based on the formulation of Schiemann and is added to Yersinia medium base (CIN) in order to obtain a final selective medium for the isolation and enumeration of Yersinia enterocolitica from clinical specimens and food.

Yersinia enterocolitica is becoming increasingly recognised as a cause of diarrhoeal disease of man and also polyarthritis, mesenteric adenitis and septicaemia.

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 5 ml of sterile diluent in aseptic conditions and add it to 500 ml of sterilized Yersinia enterocolitica agar base cooled to 50°C.

Do not overheat once suplemented.

Pour the complete medium into Petri dishes and, once solidified on a flat surface, spread the plates by streaking methodology or by spiral method. Incubate the plates in aerobic atmosphere at 30 ± 2°C for 24-48h.

Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications.

After incubation, enumerate all the colonies that have appeared on the surface of the agar that have a red bull's-eye surrounded by a transparent border shape.

Presumptive isolation / recovery of Yersinia enterocolitica must be confirmed by further microbiological and biochemical tests.

Precautions:

For in vitro diagnostic use. Do not reuse. For professional use only.

Do not use the product if it shows evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

Product: CIN SUPPLEMENT

CEIVD

Quality control

Physical/Chemical control

Color : Off-white

pH: at 25ºC

Microbiological control

 $\label{eq:constitute 1 vial as indicated in COMPOSITION; shake and dissolve completely$

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

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.

Aerobiosis. Incubation at 30 \pm 2 °C. Reading at 21 \pm 3h

Microorganism

Escherichia coli ATCC® 25922, WDCM 00013 Enterococcus faecalis ATCC® 29212, WDCM 00087 Stph. aureus ATCC® 25923, WDCM 00034 Yersinia enterocolitica ATCC® 9610, WDCM 00038

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.

Bibliography

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Growth

Technical Data Sheet

Partial Inhibition Inhibited Inhibited Good

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