

Reference: 6036

Technical Data Sheet

Product: CFC SUPPLEMENT

Specification

Sterile selective supplement for the isolation of *Pseudomonas spp.* according to ISO.

Presentation

Shelf Life Storage **Packaging Details** 10 Freeze dried vials 49 months 2-25 ºC 23x60 mm glass vials, tag labelled, white plastic cap - 10 vials per box.

with: 9 ± 0.1 g

Composition Compositon (g/vial)

 Note: Each vial is sufficient to supplement 500 ml of medium Base for Pseudomonas spp.

Reconstitute the original freeze-dried vial

by addina:

Description / Technique

Description:

CFC selective supplement is added to Pseudomonas Agar Base in order to obtain a complete medium suitable for the isolation of *Pseudomonas spp.*

Pseudomonas CFC Agar is a selective medium recommended by ISO for the enumeration of *Pseudomonas spp* in meat and meat products, including poultry.

Gelatin peptone and enzymatic digest of casein provide nitrogen, vitamins, minerals and amino acids essential for growth and permits the growth of a great number of Pseudomonas spp. The potassium sulfate and magnesium chloride help the formation of pigmentation (pyocyanin). The addition of cetrimide, fucidin and cephaloridine make the medium more selective for Pseudomonas spp. including Burkholderia cepacia.

Cetrimide, fucidin and cephalothin inhibit Gram positive bacteria and support the growth of Pseudomonas spp, (including P. aeruginosa), whilst inhibiting most other Gram negative bacteria.

Technique:

Reconstitute the vial with 9 ml sterile diluent in aseptic conditions and add it to 500 ml of Pseudomonas Agar Base (ISO) cooled to 50 °C. Pour into MF plates.

Do not overheat once supplemented.

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

Incubate the plates right side up aerobically at 21 ± 3 °C for 44 ± 1 h.

(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 onto the surface of the agar.

Each laboratory must evaluate the results according to their specifications.

Presumptive isolation of *Pseudomonas spp.* must be confirmed by further microbiological or biochemical tests.

Colonies which show a positive oxidase reaction are Pseudomonas spp.

Quality control

Physical/Chemical control

White Color: pH: at 25°C

Microbiological control

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

Microbiological control according to ISO 11133:2014/A1:2018.

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

Agerobiosis. Incubation at 25 °C ± 1, reading at 44 ± 4h

Microorganism

Escherichia coli ATCC® 8739, WDCM 00012

Ps. fluorescens ATCC® 13525

Pseudomonas fragi ATCC® 4973, WDCM 00116

Sterility Control

Add 5 ml of the sample to:

100 ml TSB and 100 ml Thioalycollate.

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

Growth

Inhibited

Good (≥50 %)

Good (≥50 %)

Page 1 / 2 Revision date: 13/12/22



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Page 2 / 2 Revision date: 13/12/22