

Product: CFC SELECTIVE SUPPLEMENT

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

Fresentation				
10 Freeze dried vials	Packaging Details 23x60 mm glass vials, tag labelled, white plastic cap -	Shelf Life 49 months	Storage 2-25 °C	
with: 9 ± 0.1 g	10 vials per box.	40 months	2-25 0	
Composition				
Compositon (g/vial)	Note: Each vial is sufficient to supplement 50 of medium Base for <i>Pseudomonas spp.</i>	0 ml		
Cetrimide Fucidin	. 0.005			

Reconstitute the original freeze-dried vial
by adding:
Sterile distilled water9 ml

Cephalothin sodium salt.....0.025

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*.



Product: CFC SELECTIVE SUPPLEMENT

Growth

Quality control

Physical/Chemical control

Color : White

Microbiological control

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

Distribute the complete medium, cooled at 50°C, in filtration plates

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

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

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

Microorganism

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Escherichia coli ATCC® 8739, WDCM 00012	Inhibited
Ps. fluorescens ATCC®13525, WDCM 00115	Good (≥50 %)
Pseudomonas fragi ATCC® 4973, WDCM 00116	Good (≥50 %)

Sterility control

Add 5mL of the sample to 100 mL of TSB and to 100 mL Thioglycollate. Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH. Check at 7 days after incubation in same conditions.

Bibliography

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