

# CFC (Pseudomonas) Supplement

Selective supplement for *Pseudomonas* spp. isolation.

## DESCRIPTION

CFC (Pseudomonas) Supplement is a selective supplement for *Pseudomonas* spp. isolation, constituted by a freeze-dried mix of Cetrimide, Fusidic Acid and Cefaloridin. CFC (Pseudomonas) Supplement is used for selective enrichment of the medium PSEUDOMONAS AGAR BASE cod. 610071 o 620071.

## KIT CONTENTS

Each kit contains:

- 10 Bottles of freeze-dried CFC (Pseudomonas) Supplement
- 1 Instruction sheet.

## PRINCIPLE OF THE METHOD

CFC (Pseudomonas) Supplement has been formulated by Mead and Adams who demonstrated that, reducing the content of cetrimide to 10 µg/ml, the growth of all the strains of psychrophilic *Pseudomonas*, pigmented or not, was favoured. Fusidic Acid, which inhibits Gram-positive bacteria, and Cefaloridin, which is a wide spectrum antibiotic, increase the selectivity of the medium.

## COMPOSITION

CFC (Pseudomonas) Supplement		
	Content /bottle	Content /l of medium
Cetrimide	5.0 mg	10.0 mg
Fusidic Acid	5.0 mg	10.0 mg
Cefaloridin	25.0 mg	50.0 mg

## PROCEDURE FOR USE

- Aseptically reconstitute the content of one bottle of CFC (Pseudomonas) Supplement with 2 ml of a 1: 1 solution of distilled water and ethanol. Mix until completely dissolved, avoiding foam formation.
- Aseptically add the entire content of one bottle (2 mL) to 500 mL of medium PSEUDOMONAS AGAR BASE cod. 610071 o 620071 added with 5 ml of Glycerol Supplement (cod. 80021), autoclaved and cooled to 45-50°C.
- Mix with care.
- Distribute into Petri dishes.

## TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical documentation for PSEUDOMONAS AGAR BASE code 610071 or 620071.

## QUALITY CONTROL

1. Control of the appearance: freeze-dried product, colour white.
2. Microbiological control.

Prepare plates using as base PSEUDOMONAS AGAR BASE code 610071 or 620071 supplemented with Glycerol Supplement (code 80021, 5 ml in 500 ml of medium) and with CFC (Pseudomonas) Supplement (1 bottle in 500 ml of medium). The plates are seeded with the strains indicated in the microbiological control table.

Incubation conditions: 24 h at 36±1 °C.

1. Microbiological control

Control strains		Growth
<i>Pseudomonas aeruginosa</i>	ATCC 9027	Good
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Good
<i>Burkholderia cepacia</i>	ATCC 25609	Good
<i>Staphylococcus aureus</i>	ATCC 25923	Inhibited

## PRECAUTIONS

The product CFC (Pseudomonas) Supplement is classified as dangerous under current legislation, for its use consult safety data sheet. CFC (Pseudomonas) Supplement is a selective supplement for use in a professional environment and must be used in the laboratory by properly trained personnel, using approved asepsis and safety methods for handling pathogenic agents.

## STORAGE

Store CFC (Pseudomonas) Supplement at 2-8 °C in its original packaging. In such conditions CFC (Pseudomonas) Supplement maintains its validity until the expiry date indicated on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration.

## REFERENCES

- King, E.O., M.K. Ward, and D.E. Raney (1954). Two simple media for the demonstration of pyocyanin and fluorescin. J. Lab. Clin. 44, 301.
- Stanbridge, L.H., and Board, R.G. (1994) Lett. Appl. Microbiol. 18: 327-328.
- Mead G.C. and Adams, B.W. (1977) Br. Poult. Sci. 18: 661-667.

## PRESENTATION

product	REF	Σ
CFC (Pseudomonas) Supplement	81049	10 bottles

## TABLE OF SYMBOLS

<b>LOT</b> Batch code	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
<b>REF</b> Catalogue number	 Fragile, handle with care	 Use by	 Caution, consult accompanying documents	

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