

CN (*Pseudomonas*) Supplement

Selective supplement for the isolation of *Pseudomonas aeruginosa*

DESCRIPTION

CN (*Pseudomonas*) Supplement is a selective supplement for the isolation of *Pseudomonas aeruginosa*, comprising a freeze-dried mixture of Cetrimide and Nalidixic Acid. CN (*Pseudomonas*) Supplement is used for selective enrichment of PSEUDOMONAS AGAR BASE medium code 610071 or 620071.

KIT CONTENTS

Each kit contains:

- 10 bottles of freeze-dried CN (*Pseudomonas*) Supplement
- 1 Instruction sheet

PRINCIPLE OF THE METHOD

CN (*Pseudomonas*) Supplement is recommended for the selective isolation of *Pseudomonas aeruginosa*. The formula for the supplement was described by Goto and Enomoto who demonstrated that the addition of nalidixic acid at a concentration of 15 µg/ml with the anionic surfactant cetrimide at only 200 µg/ml, increased the efficiency of the medium.

COMPOSITION

CN (<i>Pseudomonas</i>) Supplement		
Contents / bottle		Contents / l of medium
Cetrimide	100.0 mg	200.0 mg
Nalidixic acid	7.5 mg	15.0 mg

PROCEDURE FOR USE

1. Aseptically reconstitute the contents of a bottle of CN (*Pseudomonas*) Supplement with 2 ml of a solution of sterile distilled water and ethanol in the ratio 1: 1. Shake until completely dissolved, avoiding foam formation.
2. Aseptically add the entire contents of a bottle (2 ml) to 500 ml of Pseudomonas Agar Base medium code 610071-620071, supplemented with 5 ml of Glycerol Supplement (code 80021), autoclaved and cooled to 45-50 °C.
3. Mix with care.
4. 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 CN (*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.

Microbiological control

Control strains		Growth
<i>Burkholderia cepacia</i>	ATCC 25609	Partially inhibited
<i>Pseudomonas aeruginosa</i>	ATCC 9027	Good
<i>Pseudomonas aeruginosa</i>	ATCC 27852	Good
<i>Pseudomonas putida</i>	ATCC 12633	Good
<i>Staphylococcus aureus</i>	ATCC 25923	Inhibited
<i>Proteus vulgaris</i>	ATCC 13315	Partially inhibited

PRECAUTIONS

The product CN (*Pseudomonas*) Supplement is classifiable as hazardous under current legislation; it is recommended that the Safety Data Sheet be consulted on its use.

CN (*Pseudomonas*) Supplement is a selective supplement to be used only for *in vitro* diagnostic use. It is intended 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 CN (*Pseudomonas*) Supplement at 2-8 °C in its original packaging. In such conditions CN (*Pseudomonas*) Supplement will remain valid 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.
- Goto S. and Enomoto S. (1970) Jap. J. Microbiol. **14**: 65-72.
- Lowbury E.J. And Collins A.G. (1955) J. Clin. Path. **8**: 47-48.

PRESENTATION

product	REF	
CN (<i>Pseudomonas</i>) Supplement	81006	10 bottles

One bottle is sufficient to prepare 500 ml of medium

TABLE OF SYMBOLS

IVD In Vitro Diagnostic Medical Device	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
REF Catalogue number	 Fragile, handle with care	 Use by	 Caution, consult accompanying documents	LOT Batch code



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