

## Specification

Selective supplement for isolation of *Pseudomonas aeruginosa* spp. formulated according to ISO standard.

## Presentation

|                       | Packaging Details                                    | Shelf Life | Storage |
|-----------------------|--|------------|---------|
| 10 Freeze dried vials |  |            |         |
| Vial                  | 22±0.25 x 55±0.5 mm glass vials, tag labelled, White | 49 months  | 2-25 °C |
| with: 3 ± 0.1 g       | plastic cap - 10 vials per box.                      |            |         |

## Composition

Composition (g/vial)

Nalidixic Acid sodium salt..... 0.0075  
Excipient (sufficient amount)

Note : Each vial is sufficient to supplement  
500ml of Cetrimide Agar Base CN.

Reconstitute the original freeze-dried vial  
by :  
Sterile Distilled Water.....6 ml

## Description /Technique

### Description:

The Nadilix Sodium Salt added to the appropriate medium base, in order to obtain Cetrimide (CN) agar, gives improved performances respect to the Cetrimide agar.

This supplement in combination with the reduction of cetrimide, allows a better recovery of *Pseudomonas aeruginosa* spp. in front of *Klebsiella*, *Proteus* and *Providencia* spp, that are the common contaminants of conventional cetrimide.

A blue-green or brown pigmentation, or fluorescence are the characteristics of *Pseudomonas* spp.

### 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 the sterile diluent in aseptic conditions and add it to 500 ml of agar base cooled to 50°C temperature.  
Do not overheat once supplemented.

Pour the complete medium into Petri dishes and, once solidified on a flat surface, spread the plates by streaking or spiral method.  
Incubate the plates in aerobic atmosphere at 35±2°C for 24-48h.

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

After incubation, count all the colonies that have appeared onto the surface of the agar.

Presumptive isolation of *Pseudomonas* sp must be confirmed by further tests.

**Quality control****Physical/Chemical control**

Color : White-Gray

**Microbiological control**

Reconstitute 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 35 ± 2 °C, reading at 24-48 hours.

**Microorganism****Growth**

*Ps. aeruginosa* ATCC® 27853, WDCM 00025

Good

*Ps. aeruginosa* ATCC® 9027, WDCM 00026

Good

*Escherichia coli* ATCC® 8739, WDCM 00012

Inhibited

**Sterility control**

Add 5 ml of the sample to:

100 ml TSB and 100 ml Thioglycollate.

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

**Bibliography**

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