

## Specification

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

## Presentation

10 Freeze dried vials  
Vial  
with:  $3 \pm 0.1$  g

### Packaging Details

23x60 mm glass vials, tag labelled, White plastic cap -  
10 vials per box.

### Shelf Life

49 months

### Storage

2-25 °C

## Composition

Composition (g/vial)

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

Note: : Each vial is sufficient to supplement  
500ml of Cetrимide 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 Cetrимide (CN) agar, gives improved performances respect to the Cetrимide agar.

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

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  $35 \pm 2^\circ\text{C}$  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 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

**Bibliography**

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