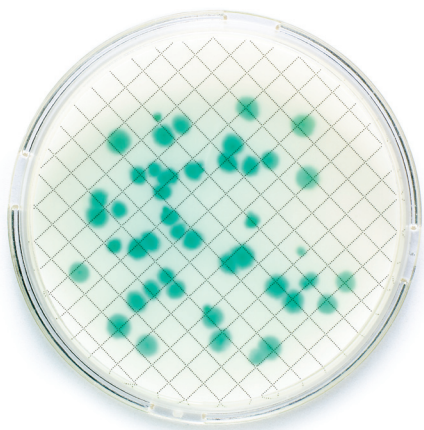




Data Sheet

Pseudomonas CN Medium Nutrient Petri-Pad™ Petri Dishes

For the detection and enumeration of
Pseudomonas aeruginosa in water



Formulation

Formula per liter of United States Pharmacopeia (USP) purified water:

| | |
|-------------------------------------|--------|
| Gelatin Peptone | 16 g |
| Casein Hydrolysate | 10 g |
| Magnesium Chloride | 1.4 g |
| Potassium Sulfate | 10 g |
| Glycerol | 10 mL |
| Tetradecyltrimethylammonium Bromide | 0.2 g |
| Nalidixic Acid | 0.015g |

Millipore's *Pseudomonas* CN Medium Nutrient Petri-Pad Petri dishes were developed to standardize the microbiological tests for filterable samples, enabling simple, fast, and more efficient testing in the laboratory and in the field.

Each absorbent pad is impregnated with a standard culture medium, dried, placed in a Millipore Petri dish and sterilized. When you are ready to culture, simply wet the pad with sterile water.

Pseudomonas CN Medium is widely used for the detection and enumeration of *Pseudomonas aeruginosa* in water.

Regulatory Conformance

Pseudomonas CN medium meets the requirements of ISO 12780.

Typical Colony Appearance

Colonies formed are green blue with blue halos and fluorescence under short wavelength (254 nm) ultraviolet light.

Incubation Time & Temperature

24 to 72 hours at 35 ± 2.5°C

COMPATIBLE WITH A RANGE OF MILLIPORE PROCESS MONITORING TOOLS

Pseudomona CN medium Nutrient Petri-Pad Petri dishes can be used with Millipore's Microfil® funnels, S-Pak™ and EZ-Pak® membranes, as well as Microfil V and S filtration devices.

PRINCIPLES OF THE PROCEDURE

This media is a modification of medium developed by King to include cetrимide to enhance pyocyanin production. Magnesium chloride and potassium sulfate stimulate the growth of Pyocyanin in *Pseudomonas aeruginosa*, creating a blue/green pigment that is easy to identify among the other strains of Pseudomonas. Nalidixic acid suppresses the growth of contaminants of Cetrимide media such as *Klebsiella*, *Proteus* and *Providencia spp.* Cetrимide is a quaternary ammonium compound that is inhibitory to a wide variety of bacterial species including Pseudomonas species other than *P. aeruginosa*.

Technical Specifications

| | |
|-----------------------------|--|
| Media form | Absorbent pad impregnated with a standard culture medium, dried, placed in a Petri dish and sterilized |
| Nutrient pad color | Beige |
| pH at 25°C | 7.1 ± 0.2 (with time, a weakening of the pH may be noticed, which will not affect the recovery performance of the product) |
| QC microorganisms | <i>Pseudomonas aeruginosa</i> ATCC 9027 <i>Proteus vulgaris</i> ATCC 13315 (negative control) |
| Number of tests | 150 |
| Storage temperature | Room temperature |
| Shelf life | 9 months |
| Certificate Included | Yes |

ORDERING INFORMATION

| Description | Qty. | Catalogue No. |
|---|-------------|----------------------|
| Pseudomona CN Nutrient Petri-Pad Petri Dishes | 150 | NPPCN0150 |



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