

## Technical Data Sheet

### Pseudomonas CN Selective Supplement

Ordering number: 1.07624.0010

The selective supplement is a mixture of 2 different inhibitors in lyophilized form.

#### Mode of Action

Cetrimide and Nalidixic acid inhibit the Gram-positive and Gram-negative accompanying flora.

#### Typical Composition

	Gram per vial	Final concentration per liter
Cetrimide	0.1	0.2
Nalidixic acid	0.0075	0.015

#### Preparation

Aseptically add 2 ml of a 50/50 mixture of purified water and ethanol to the contents of one vial and mix gently to avoid foaming.

Aseptically add the contents of one vial to 500 ml of Pseudomonas agar base (with 5 ml glycerol) cooled to 45-50 °C. Mix to suspend evenly.

#### Storage

Usable up to the expiry date when stored dry and tightly closed at +2 °C to +8 °C.

#### Quality Control

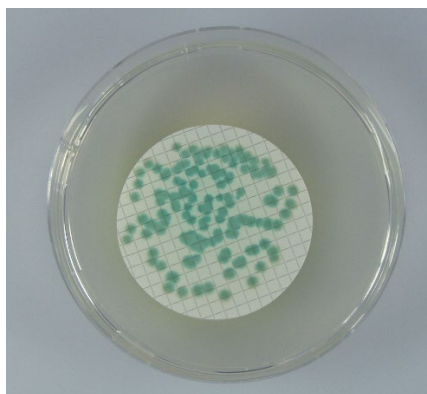
Pseudomonas CN Selective Supplement tested in Pseudomonas CN/CFC agar (base) acc. ISO 13720 and ISO 16266 (article number 1.07620).

Function	Control strains	Incubation	Reference medium	Method of control	Expected results
Productivity	<i>Pseudomonas aeruginosa</i> ATCC® 10145	40-48 h at 34-38 °C	Tryptic Soy Agar (TSA)	Quantitative with membrane filtration	Recovery ≥ 50 %, blue-green colonies with fluorescence under UV light
	<i>Pseudomonas aeruginosa</i> ATCC® 27853				
	<i>Pseudomonas aeruginosa</i> ATCC® 9027				

Function	Control strains	Incubation	Reference medium	Method of control	Expected results
Selectivity	<i>Escherichia coli</i> ATCC® 8739	40-48 h at 34-38 °C	-	Qualitative	Total inhibition
	<i>Escherichia coli</i> ATCC® 25922				
	<i>Enterococcus faecalis</i> ATCC® 19433				

Please refer to the actual batch related Certificate of Analysis.

A recovery rate of 50 % is equivalent to a productivity value of 0.5.



*Pseudomonas aeruginosa* ATCC® 27853  
on CN agar

## Literature

ISO International Standardisation Organisation. Water quality -- Detection and enumeration of *Pseudomonas aeruginosa* -- Method by membrane filtration. EN ISO 16266:2006.

ISO International Standardisation Organisation. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media. EN ISO 11133:2014.

## Ordering Information

Product	Cat. No.	Pack size
Pseudomonas CN Selective Supplement (Cetrimide, Nalidixic acid)	1.07624.0010	10 vials
GranuCult™ Pseudomonas CFC/CN Agar (Base) acc. ISO 13720 and ISO 16266	1.07620.0500	500 g
Glycerol 85%	104094.0500	500 ml

Merck KGaA

Frankfurter Strasse 250 64293  
Darmstadt, Germany Fax: +49  
(0) 61 51 / 72-60 80

For more information, visit

[www.merckmillipore.com/bimonitoring](http://www.merckmillipore.com/bimonitoring)

Find contact information for your country at:

[www.merckmillipore.com/offices](http://www.merckmillipore.com/offices)

For Technical Service, please visit:

[www.merckmillipore.com/techservice](http://www.merckmillipore.com/techservice)

Merck, Millipore, and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. Detailed information on trademarks is available via publicly accessible resources.  
© 2019 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved.

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.