

Nalidixic Selective Supplement

Intended Use

An antibiotic supplement recommended for the selective isolation of *Pseudomonas aeruginosa*.

Summary

Nalidixic Selective Supplement is used with Cetrimide Agar Base for selective isolation of *Pseudomonas aeruginosa*.

Principle

Pseudomonas species is resistant to many antibacterial agents. *Pseudomonas aeruginosa* is more resistant to nalidixic acid (NAL) than *Escherichia coli* and other enteric bacteria. In Cetrimide agar base, nalidixic acid act as selective agent and inhibits growth of many bacteria other than *Pseudomonas aeruginosa*.

Reagents / Contents

Nalidixic Selective Supplement

Composition per vial, sufficient for 1000 mL medium:

Nalidixic Acid 15.00 mg

Storage and Stability

1. Store the Microxpress® Nalidixic Selective Supplement kit at 2°C-8°C, away from light.
2. Stability of the Microxpress® Nalidixic Selective Supplement kit is as per the expiry date mentioned on the label.

Directions

1. Rehydrate the contents of 1 vial aseptically with 5 mL sterile 0.2 N sodium hydroxide.
2. Mix well and aseptically add to 1000 mL of sterile, molten Cetrimide Agar Base (46.70 g/1000 mL).
3. Mix well and dispense as desired.

Interpretation of results

Colonies that are surrounded by a blue-green pigment and fluoresce under ultraviolet light (wavelength 254 nm) may be presumptively identified as *Pseudomonas aeruginosa*.

Quality Control

Cultural characteristics observed after an incubation of 24-48 hours at 35°C-37°C, when added to Cetrimide Agar Base.

Organisms (ATCC)	Growth
<i>Pseudomonas aeruginosa</i> Strain Boston 41501 (27853)	Good
<i>Escherichia coli</i> (25922)	Inhibited
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (25923)	Inhibited

Remarks

1. Do not use cracked or broken vials.
2. Certain strains of *P. aeruginosa* may not produce pyocyanin while other species of *Pseudomonas* do not produce.
 1. pyocyanin but fluoresce under UV light.
 2. Most non-*Pseudomonas* species are inhibited, and some species of *Pseudomonas* may also be inhibited.
 3. Good laboratory practices and hazard precautions must be observed at all times.

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

1. Manuela Rella and Dieter Haas, Antimicrobial Agents and Chemotherapy. 1982 August; 22: 242-249.
2. Data on file: Microxpress®, A division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
204140370005	Media Selective Supplement	5 Vials

 Temperature limit	 Manufacturer	 Batch code	 Contains sufficient for <n> tests	 This way up
 Catalogue Number	 Consult Instructions for use	 Use-by date	 Date of Manufacture	 Media Supplements Dehydrated Culture Media Supplements for Microbiological applications

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.

Revision: 1125/VER-03