



Product Sheet

# *Nitrosomonas europaea* (ATCC® 19718™)

Please read this **FIRST**



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Nitrosomonas europaea* (ATCC® 19718™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Deposited Name:** *Nitrosomonas europaea* Winogradsky

**Product Description:** Genome sequencing strain. Depositor states that this strain produces hydroxylamine oxidase [hydroxylamine oxidoreductase].

## Propagation

### Medium

ATCC® Medium 2265: *Nitrosomonas europaea* medium

### Growth Conditions

**Temperature:** 26°C

**Atmosphere:** Aerobic

### Propagation Procedure

1. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Thaw the frozen vial quickly by immersing in a 37°C water bath and gently swirling until the ice melts, then aseptically transfer the vial contents to 10 mL of ATCC broth #2265 contained in an Erlenmeyer flask or a tissue culture flask.
3. Incubate the flask in a shaking incubator at approximately 200 rpm at 26°C. Ensure that the flask is being incubated in the dark by covering with foil.
4. Growth should be evident within 3-5 days, appearing as a cloudy turbidity within the broth or a positive nitrite test.

## Notes

Media ATCC #2265 is light sensitive and degrades after prolonged exposure to light, approximately 3 months. Cover media in foil to extend the shelf life. After 3 months new media should be prepared to ensure the best viability of the organism. Transfer the culture every 1-3 weeks, storing the fully grown culture at 4°C. A 10% inoculum (10 mL per 100 mL fresh medium) is recommended. This strain is very sensitive to impurities on glassware.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

## Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC



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## ***Nitrosomonas europaea*** **(ATCC® 19718™)**

is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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