



Product Sheet

# *Nitrosomonas europaea* (ATCC® 25978™)

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® 25978™)

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

**Designation:** C-31

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

## Propagation

### Medium

ATCC® Medium 2265: *Nitrosomonas europaea* medium

### Growth Conditions

**Temperature:** 26°C

**Atmosphere:** Aerobic

### Propagation Procedure

1. Thaw frozen vial and aseptically transfer vial contents to 15 mL of ATCC broth #2265 contained in an Erlenmeyer flask or a tissue culture flask. A second flask should also be inoculated. Take 1.0 mL from flask #1 and transfer it to a new flask containing 15 mL.
2. Incubate the flasks in the dark at 26°C. When using a tissue culture flask, flask should be laid down for incubation to promote air exchange.
3. As the cells multiply, an increase in turbidity is noted. Abundant growth should be evident in static culture in 7 to 14 days.

## Notes

Transfer culture every four to six weeks, storing the fully grown culture at 4°C. A 10% inoculum (10 mL per 100 mL fresh medium) is recommended. Cells may be preserved by freezing with a suitable cryoprotectant. 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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