



# **Nitrosomonas europaea** **Winogradsky**

**BAA-1201™**

Product Sheet

## **Description**

**Strain designation:** ML1

**Deposited As:** *Nitrosomonas europaea* Winogradsky

**Type strain:** No

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## **Storage Conditions**

**Product format:** Frozen

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## **Intended Use**

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

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## **BSL 1**

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always

used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 2265: *Nitrosomonas europaea* medium

**Temperature:** 30°C

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## Handling Procedures

1. Thaw frozen vial at room temperature and aseptically transfer vial contents to 10 ml of ATCC® Broth #2265 contained in an Erlenmeyer flask or a tissue culture flask.
2. Incubate flask in the dark at 30°C. When using a tissue culture flask, flask should be laid down for incubation to promote air exchange.

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## 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. 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).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Nitrosomonas europaea* Winogradsky (ATCC BAA-1201)

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## References

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

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# ***Nitrosomonas europaea* Winogradsky**

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## **Revision**

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