



Product Sheet

# *Nitrosospira lacus* (ATCC®) BAA-2542™)

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: *Nitrosospira lacus* (ATCC® BAA-2542™)

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:** APG3

**Deposited Name:** *Nitrosospira lacus*

**Product Description:** Type strain. Chemolithotrophic ammonia oxidizing, psychrotolerant, light intolerant.

## Propagation

### Medium

ATCC® Medium 929: Nitrosolobus medium

### Growth Conditions

**Temperature:** 26°C

**Atmosphere:** Aerobic

### Propagation Procedure

1. Thaw frozen vial at room temperature and aseptically transfer vial contents to 6 mL of #929 broth contained in an Erlenmeyer flask or 10 mL of #929 broth contained in an Erlenmeyer flask.
2. Incubate flask in the dark at 26°C. Erlenmeyer flasks can be incubated in a shaker.
3. Growth should be evident in 7 to 14 days. After growth has been established, the culture can be transferred.
4. When transferring the culture, use 10% inoculum.

## Notes

Culture does not grow on agar. After culture is established in broth, cells are motile, spiral Gram-negative rods.

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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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)



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