



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



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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: 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.

References

References and other information relating to this product are available online at 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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Additional information on this culture is available on the ATCC web site at www.atcc.org.
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