




Product Sheet


# *Leptospirillum ferriphilum* (ATCC® 49881™)

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: *Leptospirillum ferriphilum* (ATCC® 49881™)

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: P3A

Deposited Name: *Leptospirillum ferrooxidans* Markosian

## Propagation

### Medium

ATCC® Medium 1903: *Leptospirillum ferrooxidans* medium

### Growth Conditions

Temperature: 37°C

Atmosphere: Aerobic

### Propagation Procedure

1. Thaw the ampoule at room temperature under the recommended atmospheric conditions until just thawed.
2. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
3. Aseptically transfer the entire contents to a 5-6 mL tube of #1903 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
4. Incubate at 37°C for 5-10 days.

## Notes

Growth is not visible except by microscope, where cells are seen as small, fast-moving spirochetes. The depositor states that this culture will grow at temperatures up to 45°C and produces ferric iron at low pH. 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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