



Product Sheet

# *Metallosphaera sedula* (ATCC® 51363™)

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: *Metallosphaera sedula* (ATCC® 51363™)

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:** TH2 [DSM 5348]  
**Deposited Name:** *Metallosphaera sedula* Huber et al.  
**Product Description:** Type strain.

## Propagation

### Medium

ATCC® Medium 1256: Sulfolobus medium

### Growth Conditions

**Temperature:** 70°C  
**Atmosphere:** Aerobic

### Propagation Procedure

1. Prepare tube to be inoculated by adding 0.1 mL of the 5% Ferric sulfate solution to each 5-10 mL of broth.
2. Allow vial to thaw at room temperature. Transfer the entire contents of the thawed vial into a single tube (5 - 6 mL) of #1256 broth.
3. Additional tubes can be inoculated by transferring 0.5 mL of the primary tube. Mix well.
4. Use several drops of the suspension to inoculate a plate. Incubate the plate at 37°C as a contamination check.
5. Incubate the tubes at 70°C for 48 to 72 hours.

## Notes

Cells are regular cocci in singles and pairs. Growth at 37°C means that contamination has occurred. Purified genomic DNA of this strain is available as ATCC® 51363D-5. 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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# ***Metallosphaera sedula*** **(ATCC® 51363™)**

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)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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