



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



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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: 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.

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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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