



Metallosphaera sedula Huber et al.

51363™

Description

Type strain.

Strain designation: TH2 [DSM 5348]

Deposited As: *Metallosphaera sedula* Huber et al.

Type strain: Yes

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:

ATCC Medium 1256: Sulfolobus medium

Temperature: 70°C

Atmosphere: Aerobic

Handling Procedures

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.

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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.
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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.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Metallosphaera sedula* Huber et al. (ATCC 51363)

References

References and other information relating to this material are available at www.atcc.org.

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While other unspecified media and reagents may also produce satisfactory results, a

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