



# ***Sulfolobus shibatae*** **Grogan et al.**

**51178™**

Product Sheet

## **Description**

**Strain designation:** DSM 5389

**Deposited As:** *Sulfolobus shibatae* Grogan et al.

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Frozen

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## **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.

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## **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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 1853: *Sulfolobus shibatae* medium

**Temperature:** 70°C

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## Handling Procedures

1. Thaw the liquid nitrogen vial at room temperature.
2. When the LN vial has thawed, aseptically transfer this aliquot into a tube of #1853 and mix well. Take 0.5 ml of the suspension and transfer to a second tube of broth.

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## Notes

The culture will remain viable for up to one week when stored at room temperature. When transferring the culture, use a large inoculum (10% or greater). Growth should be detectable between 24 and 72 hours.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Sulfolobus shibatae* Grogan et al. (ATCC 51178)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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