



***Heliobacterium modesticaldum* Kimble et al.**

51577™

Description

Heliobacterium modesticaldum strain YS6 is a thermophilic bacterium that was isolated from a hot spring at Yellowstone National Park. This strain is part of the National Park Service (NPS) Special Collection.

Strain designation: YS6

Deposited As: *Heliobacterium modesticaldum* Kimble et al.

Type strain: No

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

***Heliobacterium modesticaldum* Kimble et al.**

51577

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 2061: PYE MEDIUM

Temperature: 50°C**Atmosphere:** Anaerobic**Incubation:** Under light

Handling Procedures

1. Put 6 to 8 ml of Medium #2061 into a 13x100 mm screw cap test tube (small).

***Heliobacterium modesticaldum* Kimble et al.**

51577

Add cysteine (3.0% stock concentration, 0.1 ml/ 5 - 10 ml medium) and then fill the test tube to capacity with additional Medium #2061. Seal the test tube with a screw cap.

2. Let the tube sit at room temperature for 30 minutes before inoculating.
 3. Let the LN vial thaw at room temperature.
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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Heliobacterium modesticaldum* Kimble et al. (ATCC 51577)

References

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

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***Heliobacterium modesticaldum* Kimble et al.**

51577

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