



Product Sheet

# *Heliobacterium modesticaldum* (ATCC® 51547™)

Please read this **FIRST**



## 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: *Heliobacterium modesticaldum* (ATCC® 51547™)

## Description

**Designation:** Ice1

**Deposited Name:** *Heliobacterium modesticaldum* Kimble et al.

## Propagation

### Medium

ATCC® Medium 2061: PYE MEDIUM

### Growth Conditions

**Temperature:** 50.0°C

**Atmosphere:** Anaerobic under light

### Propagation Procedure

2. Just prior to inoculation, let the liquid nitrogen vial thaw at room temperature with out agitation.
3. Remove 1.0 ml of broth from the screw cap test tube and place it in a sterile test tube. Open the thawed liquid nitrogen vial and transfer the cell suspension to the small screw cap test tube. Refill the test tube to capacity with the conserved medium. Seal the screw cap test tube and incubate at 50°C under a light.
4. Growth should be detected within 48 to 72 hours.

To obtain a fully reduced medium, it is necessary that the medium be anoxic and that a reducing agent be added. Common reducing agents are sodium sulfide, cysteine, dithiothreitol, and titanium citrate.

## Notes

The cells stain Gram negative. They are motile rods that occur singly or in pairs, and in some cases as clumps. As the cells age, they tend to become round. Once growth has been established, the culture should be transferred every 3 to 4 days.

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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## Disclaimers

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*modesticaldum* (ATCC®  
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