ATCC

Product Sheet

Heliobacterium modesticaldum (ATCC® 51547™)

Please read this FIRST

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: *Heliobacterium modesticaldum* (ATCC® 51547™)

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: 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.

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.

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This product is sent with the condition that you are responsible for its safe storage,

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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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