



Product Sheet

Thermaerobacter marianensis (ATCC® 700841™)

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: *Thermaerobacter marianensis* (ATCC® 700841™)

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: JCM 10246 [7p75a, DSM 12885]
Deposited Name: *Thermaerobacter marianensis* Takai et al.

Propagation

Medium

ATCC® Medium 2: Marine agar 2216 or marine broth 2216

Growth Conditions

Temperature: 70.0°C

Atmosphere: Aerobic

Propagation Procedure

1. Open the frozen vial and aseptically transfer the contents of the vial into a single tube of #1917 broth containing 5 to 6 ml.
2. Use several drops of this suspension to inoculate a second tube of broth.
3. Incubate both tubes at 70°C for 24 hrs.

Notes

Thermaerobacter marianensis cells are Gram-variable (negative in stationary phase), non-spore-forming and non-motile rods. Can be grown on slants at 70°C. This strain is very sensitive to temperature after growth. If left at room temperature for 2-3 days, the cells lose viability. The cells can be kept at 70°C for up to two weeks. For preservation, use DMSO (5% final concentration). Do not use glycerol as a cryoprotectant.

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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