



Product Sheet

Chlorobaculum tepidum (ATCC® 49652™)

Please read this FIRST



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



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: *Chlorobaculum tepidum* (ATCC® 49652™)

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: TLS [CIP 105973]

Deposited Name: *Chlorobium tepidum* Wahlund et al.

Product Description: Type strain. Genome sequenced strain.

Propagation

Medium

ATCC® Medium 37: Chromatium medium

ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Growth Conditions

Temperature: 45°C

Atmosphere: Aerobic

Propagation Procedure

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Remove 6 mL of pre-mixed #37 media from primary tube and aseptically transfer the entire contents of thawed vial to that tube. Additional test tubes can be inoculated by transferring up to 2 mL of the primary broth tube to secondary broth tubes. Fill the test tubes to capacity with additional #37 broth, leaving a small air bubble for expansion. Seal the test tube with a screw cap.
3. Incubate at 45°C under a tungsten lamp for 3-7 days. The light should be on a 12 hour cycle (12 hours on/ 12 hours off). Incubate one #260 agar plate aerobically at 37°C to check for contamination.
4. Use 10-20% of an actively growing culture to inoculate fresh tubes of medium.

Notes

ATCC Medium #37 may be stored separately as solution 1, solution 2/3 and solution 4. In a small screw cap tube, mix 5 mL of solution 1, 3 mL of solution 2/3, 0.2 mL of solution 4, and reduce the media with 0.1 mL of a 10% Thiosulphate solution. Place tubes in the dark for 24 hours prior to inoculation. A hazy, white precipitate should develop in the tubes overnight.

After 3-7 days, growth is evident by turbidity and a deep green pigmentation throughout the broth. When examined microscopically, the cells appear as small short rods in singles and pairs and are non-motile. The culture should be fed sodium sulfide at least once a week. This culture is oxygen-tolerant therefore strictly anoxic conditions are not required when using a large inoculum.

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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Disclaimers



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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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