



Product Sheet

Thermococcus siculi (ATCC® BAA-270™)

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: *Thermococcus siculi* (ATCC® BAA-270™)

Description

Designation: DSM 12349 [RG-20]

Deposited Name: *Thermococcus siculi* Grote et al.

Propagation

Medium

ATCC® Medium 2104: Marine *Thermococcus* medium

Growth Conditions

Temperature: 80.0°C

Atmosphere: Under a gas mixture of 80% N₂, 20% CO₂

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #2104 broth (5 to 6 ml) under anaerobic conditions, withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Re-hydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well. Take 0.25 ml of this tube and transfer it to a second tube. Mix well.
4. After 24 Hours of incubation, turbidity should be observed.
5. Transfers can now be made to other tubes of broth, slants, and/or plates.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas or.
- Exchanging the headspace in stoppered culture tubes for the appropriate anaerobic gas

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screwcaps on test tubes in anaerobic chamber,
- Loose screwcaps on test tubes in an activated anaerobic Gas Pak jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

The cells are irregular nonmotile cocci. Anaerobic techniques utilizing Hungate tubes is recommended because growth is enhanced when tubes are pressurized (20-40 psi).

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.

ATCC Warranty

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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet,

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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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