



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% N<sub>2</sub>, 20% CO<sub>2</sub>

### 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](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.

## 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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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