Thermococcus siculi Grote et al.

BAA-270™

Description

Strain designation: DSM 12349 [RG-20]
Deposited As: *Thermococcus siculi* Grote et al.
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always

used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:
ATCC Medium 2104: Marine Thermococcus medium
Temperature: 80°C
Atmosphere: 80% N_2, 20% CO_2

Handling Procedures

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 screw-caps on test tubes in anaerobic chamber,

· Loose screw-caps 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).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Thermococcus siculi* Grote et al. (ATCC BAA-270)

References

References and other information relating to this material are available at www.atcc.org.

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