



Thermus aquaticus Brock and Freeze

BAA-2747™

Description

Genome sequenced strain

Strain designation: Y51MC23

Deposited As: *Thermus aquaticus*

Type strain: No

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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 submerged 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 submerged 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 461: Castenholz TYE medium

Temperature: 70°C

Atmosphere: Aerobic

Handling Procedures

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #461 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #461 agar slant.

***Thermus aquaticus* Brock and Freeze**

BAA-2747

4. Incubate at 70°C for 24-48 hours. For best results, incubate tubes within a closed jar with a moistened paper towel added to maintain humidity and prevent desiccation.
 5. Once growth is obtained in broth, plates can be inoculated with approximately 0.2 mL per plate. Better growth is achieved on plates when incubated at 55°C rather than 70°C. Plates should be incubated in a jar as described above or taped shut to prevent desiccation. Growth on agar may take up to 3 days to appear.
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Notes

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Thermus aquaticus* Brock and Freeze (ATCC BAA-2747)

References

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

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***Thermus aquaticus* Brock and Freeze**

BAA-2747

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BAA-2747

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