



# *Thermus scotoductus* Kristjansson et al.

31558<sup>TM</sup>

## Description

This material is cited in a U.S. and/or other Patent Application and may not be used to infringe the patent claims. Originally named *Thermus aquaticus* for the aforementioned Patent Application

**Strain designation:** 104

**Deposited As:** *Thermus aquaticus* Brock and Freeze

**Type strain:** No

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## 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.

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## **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.

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## **Certificate of Analysis**

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## **Growth Conditions**

**Medium:**

ATCC Medium 1086: *Thermus* PMY

**Temperature:** 65°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
  2. Aseptically transfer the entire contents to a 5-6 mL tube of #1086 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 #1086 plate and/or #1086 agar slant.
  4. Incubate at 65°C for 48 hours. For best results, incubate tubes and plates in a closed container with a moist paper towel to maintain humidity. Better growth is achieved on plates when incubated at 60°C rather than 65°C.
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## Notes

Two colony types are observed on #1086 agar at 48 hours. One is circular, entire, large, yellow and low convex. The second is circular, entire, cream, translucent, low convex and varies in size. Cells are Gram-negative, long, thin rods and may be curved. Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Thermus scotoductus* Kristjansson et al. (ATCC 31558)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2025-03-22

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## Contact Information

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31558

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