



Product Sheet

# *Thermus scotoductus* (ATCC® 31558™)

Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## 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: *Thermus scotoductus* (ATCC® 31558™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Designation:** 104

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

**Product 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

## Propagation

### Medium

ATCC® Medium 1086: *Thermus* PMY

### Growth Conditions

**Temperature:** 65°C

**Atmosphere:** Aerobic

### Propagation Procedure

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.

## 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).

## 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.

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## Disclaimers

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## ***Thermus scotoductus*** **(ATCC® 31558™)**

the misidentification or misrepresentation of such materials.


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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