



Product Sheet

# *Thermus scotoductus* (ATCC® 27978™)

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: *Thermus scotoductus* (ATCC® 27978™)

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:** X-1  
**Deposited Name:** *Thermus* sp.

## Propagation

**Medium**  
ATCC® Medium 697: *Thermus* medium

**Growth Conditions**  
**Temperature:** 64.0°C

## Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #697 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette and rehydrate the pellet.
3. Transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a second tube of broth, a slant, and/or plates.
5. Incubate tubes at 64°C. For best results, incubate tubes within a closed jar with a moistened paper towel added to maintain humidity and prevent desiccation.

## Notes

Growth should be visible in broth after 24 to 48 hours of incubation. At 1000X magnification, cells appear as long, regular rods occurring singly or in long filaments.

## 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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