



Product Sheet

# *Thermotoga neapolitana* (ATCC® 49049™)

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: *Thermotoga neapolitana* (ATCC® 49049™)

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)

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## Description

**Designation:** NS-E [DSM 4359]

**Deposited Name:** *Thermotoga neapolitana* Jannasch et al.

## Propagation

### Medium

ATCC® Medium 1658: MMS Medium for *Thermotoga neapolitana*

### Growth Conditions

**Temperature:** 77.0°C

**Atmosphere:** Under a gas mixture of 80% N<sub>2</sub>, 20% CO<sub>2</sub>

### Propagation Procedure

1. Sterilize the top of the Balch tube (see below) by spraying it with 70% ethanol and then flaming the top.

## Notes

The cells are rods with a sheath or toga like structure that protrudes beyond the end of the cell. Over pressurizing the culture by 1-2 atm. promotes growth. Avoid using gases with hydrogen. Hydrogen has been reported to inhibit the growth of *Thermotoga*. Growth can be detected with the increase of turbidity or microscopically at 1000X. After growth is achieved, remove the culture and place it at room temperature. If kept at high temperatures after growth, cell lysis will occur.

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

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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)

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