



Product Sheet

# *Thermoproteus tenax* (ATCC® 35583™)

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: *Thermoproteus tenax* (ATCC® 35583™)

## Description

**Designation:** Kra 1 [DSM 2078]  
**Deposited Name:** *Thermoproteus tenax* Zillig and Stetter

## Propagation

**Medium**  
ATCC® Medium 1538: Thermoproteus medium

**Growth Conditions**  
**Max Temperature:** 88.0°C  
**Min Temperature:** 85.0°C  
**Atmosphere:** Anaerobic

**Propagation Procedure**

- Once growth has been detected, the culture should be transferred to fresh broth(s). Growth should be detected within 24-48 hours.
- This culture is very sensitive to oxygen, all steps should be taken to avoid exposure to oxygen (see anaerobic techniques below). It was found that this culture is also sensitive to the cryoprotectant, therefore growth may be better in the secondary tubes.

**ANAEROBIC CONDITIONS:**

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

## Notes

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

**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.

## ATCC Warranty

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## Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet,

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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)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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