



Product Sheet

# *Thiobacillus thioeparus* (ATCC® 23648™)

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: *Thiobacillus thioeparus* (ATCC® 23648™)

American Type Culture Collection  
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Manassas, VA 20108 USA  
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Fax: 703.365.2750  
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## Description

**Designation:** 1E  
**Deposited Name:** *Thiobacillus thioeparus* Beijerinck

## Propagation

**Medium**  
ATCC® Medium 290: S-6 medium for Thiobacilli

**Growth Conditions**  
**Temperature:** 30.0°C

## Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #290 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #290 agar slant and/or plate.
5. Incubate the tubes and plate at 30°C for 72 hours.

## Notes

After approximately 3 to 4 days of incubation, growth is evident by turbidity in the broth and by colonies on the agar surfaces. Cells are small motile rods occurring singly, in pairs, and sometimes in short chains. Cells are Gram negative. Colonies are small (less than 0.5 mm diameter), circular, with a convex elevation. Colonies become opaque and develop a pale yellow color with age as sulfur is precipitated.

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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***Thiobacillus thioparus***  
**(ATCC® 23648™)**

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