



Product Sheet

***Acidithiobacillus ferrooxidans* deposited as *Thiobacillus ferrooxidans* (53985)**

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.

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**U.S. Patent Number:**  
5,366,891

**Technical Information**

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**Product Description**

**Designation:** *Acidithiobacillus ferrooxidans* deposited as *Thiobacillus ferrooxidans*  
**Organism:** *Acidithiobacillus ferrooxidans* (Temple and Colmer) Kelly and Wood

**Batch-Specific Information**

Refer to the Certificate of Analysis for batch-specific test results.

**SAFETY PRECAUTION**

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

**Unpacking & Storage Instructions**

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

**Comments**

Uncataloged -- Purity can not be verified, P. Pienta, 4/3/95.  
Solubilization of metal salts in geothermal sludge

**Propagation**

**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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