



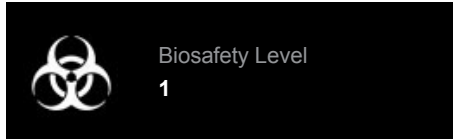
Product Sheet

## *Halothiobacillus*

### *hydrothermalis* (ATCC®)

51453™)

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: *Halothiobacillus hydrothermalis* (ATCC® 51453™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
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#### Description

**Designation:** DSM 7121 [R3]

**Deposited Name:** *Thiobacillus hydrothermalis* Durand et al.

#### Propagation

##### Medium

ATCC® Medium 1901: T-ASW medium (DSM 574)

##### Growth Conditions

**Temperature:** 37.0°C

##### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #1901 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #1901 agar slant and/or plate.
5. Incubate the tubes and plate at 37°C for 24 hours.

#### Notes

Colonies on #1901 agar are tiny, round, white, opaque, and slightly raised with an entire margin. Growth occurs because of the oxidization of thiosulfate to sulfuric acid, so the medium turns from pink to yellow in color because of the presence of phenol red.

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

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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

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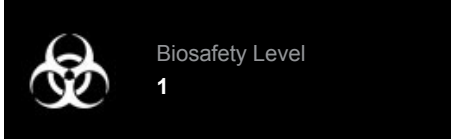
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