



Product Sheet

# *Thiobacter soufrièreensis* (ATCC® BAA-1515™)

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: *Thiobacter soufrièreensis* (ATCC® BAA-1515™)

## Description

Designation: SL-1

## Propagation

### Medium

ATCC® Medium 2672: Modified Wolfe's Mineral Medium

### Growth Conditions

Temperature: 45.0°C

### Propagation Procedure

1. Place the frozen vial at room temperature until it thaws.
2. Using a 22 ½ gauge needle and syringe remove the contents of the vial and transfer it into a single tube of #2672 (10.0 ml) broth.
3. Remove 0.5ml with the same needle and syringe and transfer to a second broth tube.
4. Using several drops of the suspension inoculate a #2672 plate.
5. Using a new needle and syringe inject 2.0 ml of sterile air into the headspace of the balch tubes. Plates should be placed into an anaerobe jar with an active catalyst and a microaerophilic gas generator pack (BD BBL CampyPak Plus 271045), or other acceptable method.
6. Incubate tubes and plate at 45°C, under microaerophilic conditions, for 24 to 48 hours. Slants should be incubated with caps loose.

## Notes

Colonies on #2672 agar are pinpoint, circular, entire, off-white, and glistening. Under phase contrast, cells are gram-negative motile rods. This organism is an obligate chemolithoautotrophic iron sulfide-oxidizing bacterium. Under microaerophilic conditions SL-1 can utilize elemental sulfur, Thiosulfate, Tetrathionate, FeS, H<sub>2</sub>S and ATCC® MD-2094.

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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the misidentification or misrepresentation of such materials.

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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