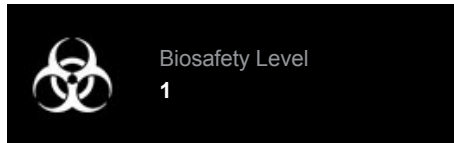




Product Sheet

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, H₂S and ATCC® MD-2094.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

References and other information relating to this product are available online at 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.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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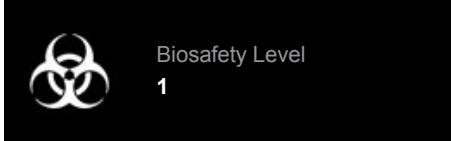
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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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