ATCC

Product Sheet

Endothiovibrio thiophilum (ATCC® BAA-1439™)

Please read this FIRST

Biosafety Level
1

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: *Endothiovibrio thiophilum* (ATCC® BAA-1439™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: S-1

Propagation

Medium
ATCC® Medium 2741: Thiosulfate Gradient Medium

Growth Conditions
Temperature: 26°C
Atmosphere: Anaerobic; 80% N_2-20% CO_2

Propagation Procedure
1. Sterilize the top of the Balch tube by spraying it with 70% ethanol and then flaming the top.
2. If needed exchange the gas in the test tube for 80% N_2 20% CO_2.
4. Allow the frozen vial to thaw under anaerobic conditions. Once thawed, take a gassed 1.0 ml syringe tipped with 22-gauge needle and withdraw the entire contents of the thawed vial and immediately transfer it to a Balch tube. Inject S-1 into medium; DO NOT MIX. Inject 5.0% air into the head space.
5. When inoculating the agar slant, make the slant biphasic with 0.5 ml to 1 ml of #2741 broth. Inoculate with 0.1 ml of culture from the original broth tube.
6. Plate 0.1 ml on a non-selective medium to check for aerobic and anaerobic contamination.

Notes

After 48 hours of incubation, 1.0% (headspace) of air needs to be added to the inoculated tubes. This helps the organisms respiration process; DO NOT MIX. The culture needs to be incubated in the dark, and the culture can not be inverted until decent growth is achieved. After 3-4 days growth becomes evident (white ring near the surface of the bottle; pink color disappears). After 6-10 days, if string growth is evident as turbidity the culture can be gently mixed to distribute the air. This culture does not have a high density level. Cells have reached the stationary phase when the medium begins to turn brownish.

Weak growth is achieved in biphasic slants. The cells collect at the bottom of the slant. The same rule applies not to invert the biphasic growth until decent growth is achieved.

The cells are highly motile, irregular rods.

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.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has

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been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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

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