ATCC

Product Sheet

Thiothrix fructosivorans (ATCC® 49748™)

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: *Thiothrix fructosivorans* (ATCC® 49748™)

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: Q
Deposited Name: *Thiothrix* sp.

Propagation

Growth Conditions
Temperature: 10.0°C
Atmosphere: Aerobic

Propagation Procedure
1. From a sterile stock supply of ATCC #1820 broth, aseptically transfer 10 ml to a sterile 125 ml flask.
2. Open the frozen vial and aseptically transfer the contents into the 125 ml flask.
3. Incubate flask at 10°C for 4-6 days and double the volume with the addition of 10 ml of 1820 medium.
4. Once growth has been established transfer flask contents to 100 ml of #1820 broth contained in a 250 ml Erlenmeyer flask. Incubate flask without shaking at 10°C. Growth will be evident by the presence of a stringy flocculent which can take as little as 14 days or as long as 21 days to appear.
5. Transfer to fresh medium at 2 month intervals. A 5% inoculum (5ml of culture to 100 ml fresh medium) is recommended.

Notes

Growth on solid medium is sparse and can take 3 to 4 weeks. Colonies are white and rhizoid in appearance. Cells are long, thin, sheathed filaments entwined with one another and arranged in rosettes. Cells can be preserved by freezing with a cryoprotectant but viability is poor and recovery from frozen stock is very slow.

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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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this

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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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