



Product Sheet

Thiothrix fructosivorans (ATCC® 49748™)

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: *Thiothrix fructosivorans* (ATCC® 49748™)

Description

Designation: Q
Deposited Name: *Thiothrix* sp.

Propagation

Medium
ATCC® Medium 1820: LTH medium for *Thiothrix*

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.

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