ATCC

Product Sheet

Thiothrix unzii (ATCC® 49747™)

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 unzii* (ATCC® 49747™)

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: A1
Deposited Name: *Thiothrix* sp.

Propagation

Medium
ATCC® Medium 1820: LTH medium for Thiothrix

Growth Conditions
Temperature: 26°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 entire contents of the vial into the 125 ml flask.
3. Incubate flask at 26°C for 4-6 days.
4. Transfer entire flask contents to 100 ml of #1820 broth contained in a 250 ml Erlenmeyer flask. Incubate flask without shaking at 26°C.
5. Growth is slow and is evident by accumulation of white filaments within the broth.
6. Transfer to fresh medium at regular intervals. A 5% inoculum (5ml of culture to 100 ml fresh medium) is recommended.

Notes

Cells are long, thin filaments that can occur singly but usually are entwined with other filaments. The filaments appear grainy inside and can have many inclusions. Colonies are white and filamentous. Growth may be observed at 3 to 4 weeks at 10°C. Cells can be preserved by freezing with a cryoprotectant but viability is poor and recovery from frozen stock can be 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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