ATCC

Product Sheet

Acidothermus cellulolyticus (ATCC® 55721™)

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: *Acidothermus cellulolyticus* (ATCC® 55721™)

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: GICC 2206
Deposited Name: *Acidothermus cellulolyticus* Mohagheghi et al.

Propagation

Medium
ATCC® Medium 1473: LPBM acido-thermophile medium

Growth Conditions
Temperature: 55.0°C

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Using a single tube of #1473 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a second tube of broth, a slant, and/or plate.
5. Incubate all tubes and plate in a moist can or jar (to prevent dehydration) at 55°C for 5 to 8 days.

Notes

Growth occurs within 5 to 8 days when initially rehydrated. After growth has been established the culture can be transferred every 48 to 72 hours. The cells are long slender rods with rounded ends and are non-motile. Colonies are creamy-white, circular, smooth, and entire on #1473 plates. When grown in broth the cells tend to form clumps and flocculate after 3 to 10 days.

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 product. The MTA is also available on our Web site at www.atcc.org

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