ATCC

Product Sheet

Thermoanaerobacterium thermosaccharolyticum (ATCC® 27384™)

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: *Thermoanaerobacterium thermosaccharolyticum* (ATCC® 27384™)

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: T9-1 [DSM 572]
Deposited Name: *Clostridium tartarivorum* Mercer and Vaughn

Propagation

Medium
ATCC® Medium 38: Beef liver medium for anaerobes

Growth Conditions
Temperature: 50.0°C
Atmosphere: Anaerobic

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of the recommended broth from a single test tube (5 to 6 ml) and rehydrate the vial contents.
3. Aseptically transfer this aliquot back into the broth. Additional tubes may be inoculated with 0.5 ml each from the suspension. 0.1 ml may also be inoculated onto a slant. Streak several blood plates to check for colonial morphology and purity.
4. Incubate tubes under an anaerobic atmosphere at 45°-50°C. Incubate one agar plate anaerobically for colony formation, and one aerobically for aerobic contamination check.
5. Within 24-48 hours, growth is evident by turbidity in the broth and by flat, gray, irregular colonies on the anaerobic agar surfaces. No growth occurs on agar plates incubated aerobically.
ANAEROBIC CONDITIONS:
Anaerobic conditions for transfer may be obtained by either of the following:
·Use of an anaerobic gas chamber, or
·Placement of test tubes under a gassing cannula system hooked to anaerobic gas.
Anaerobic conditions for incubation may be obtained by any of the following:
·Loose screw caps on test tubes in anaerobic chamber,
·Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
·Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Thermoanaerobacterium thermosaccharolyticum is a non-motile, Gram-negative rod. It displays b-hemolysis on sheep blood. Since this organism was formally a *Clostridium*, ATCC Medium #1053, Reinforced Clostridial Medium (Oxoid CM 149) should support growth.
Additional information on this culture is available on the ATCC web site atwww.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

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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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