



Product Sheet

Thermoanaerobacterium thermosaccharolyticum (ATCC® 7956™)

Please read this **FIRST**



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



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® 7956™)

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: NCA 3814 (thermophilic anaerobe) [L.S. McClung 2032, NCIB 9385]
Deposited Name: *Thermoanaerobacterium thermosaccharolyticum* (McClung) Collins et al.
Product Description: Type strain

Propagation

Medium

ATCC® Medium 1869: PRAS-PYG with Tween 80

Growth Conditions

Temperature: 45°C

Atmosphere: Anaerobic gas mixture, 80% N₂-10% CO₂-10% H₂

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw approximately 0.5 to 1.0 mL of #1869 broth from a single test tube (5 to 6 mL). Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well. Additional tubes of broth may be inoculated with 0.5 mL each from the suspension and 0.2 mL may be inoculated onto a #1869 slant or plate. Streak a blood plate for purity.
4. Incubate the tubes and plate under anaerobic conditions at 45°C for 48 to 72 hours. Incubate the purity plate aerobically at 37°C. Turbid growth is evident in the broth at 48 hours.

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 connected 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

Colonies on #1869 agar are peaked, rough and irregular. Will grow on Brucella blood agar. Will not grow on agar that does not contain a fermentable carbohydrate.

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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Disclaimers



Product Sheet

***Thermoanaerobacterium
thermosaccharolyticum***
(ATCC® 7956™)

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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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