ATCC

Product Sheet

Thermoanaerobacter sp. (ATCC® BAA-892™)

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: *Thermoanaerobacter sp.* (ATCC® BAA-892™)

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: TLO [DSM 15750]
Deposited Name: *Thermoanaerobacter* sp.

Propagation

Medium
Medium 2107: Modified Reinforced Clostridial Agar/Broth Medium (pre-reduced)

Growth Conditions
Temperature: 65.0°C
Atmosphere: Anaerobic

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of the appropriate medium from a single test tube (5 to 6 ml) and rehydrate the vial contents.
3. Aseptically transfer this aliquot back into the broth tube. Additional tubes and an anaerobic #260 agar plate may be inoculated with 0.5 ml each from the suspension. Streak onto a additional blood plate and incubate aerobically to check for purity.
4. Incubate tubes and one #260 plate under an anaerobic atmosphere at 65-70ºC.

ANAEROBIC CONDITIONS:
· Tubes of media are placed under a gassing cannula system hooked to a source of oxygen-free gas.
· All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen free gas flowing through the system.
· As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace. A 100% nitrogen or 80% nitrogen-20% carbon dioxide gas mixture is typically employed as the oxygen-free gas source.
· Resazurin is a commonly used redox indicator that is pink when the redox potential is above 50 mv., and colorless when the redox potential is below 110 mv. i.e. highly reducing. Most strict anaerobes require this low redox potential for optimum growth.

Notes

In 24-48 hours, growth is evident by turbidity. Colonies on the anaerobic #260 plate are clear moist, shinny, rounded with entire edges. No growth should occur on the blood agar plate incubated aerobically. Cells are rods that occur singly, in pairs and occasionally in clumps.

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

1000X

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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