Description

Designation: 2CP-1 [DSM 21875]
Deposited Name: Anaeromyxobacter dehalogenans Sanford et al.

Propagation

Medium
ATCC® Medium 2282: R2A Modified for Anaeromyxobacter

Growth Conditions
Temperature: 30°C
Atmosphere: Anaerobic gas mixture; 80% N₂-20% CO₂

Propagation Procedure
1. Under anaerobic conditions, allow the frozen vial to thaw at room temperature.
2. Using a 1.0 mL syringe tipped with 22-gauge needle, withdraw the entire cell suspension from the vial and transfer it to a broth tube and incubate at 30°C. Plate 0.1 mL of the inoculated culture onto a non-selective medium and incubate aerobically at 30°C. 3. Growth should be evident within 5 to 7 days in broth. Growth may take longer on solid medium. No growth should be evident on aerobic medium.

ANAEROBIC CONDITIONS:
Anaerobic conditions for transfer may be obtained by either of the following
- Use of an anaerobic gas chamber,
- 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

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions.
Cells are thin rods that exhibit Gram-negative staining.
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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. 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 product. 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.
While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

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.

© ATCC 2018. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [08/08]