Designation: B-78
Deposited Name: Treponema hyodysenteriae Harris et al.

Medium
ATCC® Medium 1827: BHI with heat-inactivated fetal bovine serum and glucose

Growth Conditions
Temperature: 37.0°C
Atmosphere: Anaerobic

Propagation Procedure
1. Thaw vial at room temperature under anaerobic conditions. Aseptically withdraw contents of vial and transfer into a tube of #1827 broth (5 to 6 ml).
2. Transfer 0.5 ml of the suspension to #1827 slants, making a biphasic culture. Inoculate two sheep blood agar plates.
3. Incubate the tubes under anaerobic atmosphere at 37°C for 46 days. One of the sheep blood agar plates is incubated under anaerobic conditions and the second plate is incubated aerobically to check for purity.
4. Growth can be observed as light turbidity in the broth and as a thin film on the slants and #260 plate. Very strong beta hemolysis is exhibited on the anaerobic blood agar plate. Viable growth can also be observed by looking for active motile helical cells when examining a wet mount of a drop from the broth portion of the biphasic slant under phase contrast. The aerobic plate should show no signs of growth.

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.
Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

Notes
This strain was originally deposited as Treponema hyodysenteriae, and it is used for antimicrobial sensitivity testing (3).

Best growth is obtained with biphasic slants. Growth may be poor in broth. Also, additional incubation time may be required upon initial opening. Subsequent transfers after growth will occur in 48 to 72 hours.

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

References and other information relating to this product are available online at www.atcc.org.

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. [10/03]