Description

Designation: T-strain 960 (CX8) [960, CIP 103755, NCTC 10177]
Deposited Name: Mycoplasma sp.
Antigenic Properties: Serotype VIII
Product Description: Type strain. Produces restriction endonuclease Uur960I.

Propagation

Medium
ATCC® Medium 2616: Ureaplasma Medium - Special Modified Formulation

Growth Conditions
Temperature: 37°C
Atmosphere: Broth: Aerobic, Plates: Anaerobic

Propagation Procedure

1. Follow instructions as suggested for the culturing of Mollicutes:

PROCEDURES FOR PROPAGATING MOLLICUTES:

a. Open the thawed vial according to the enclosed instructions.
b. Make serial dilutions by transferring 0.5 mL from the original tube to a tube containing 4.5 mL. Repeat process by transferring 0.5 mL from the second to third tube, etc.
c. Use an uninoculated tube of broth to serve as a control.
d. Plates may be inoculated to check colony morphology. You can also spot each dilution on the surface of plate (4 or more/plate) to determine the number of colony-forming units. However, not all strains do well on solid medium.
e. Incubate all tubes and plates 3–7 days under the recommended conditions and appropriate temperature. The time necessary for growth will vary from strain to strain. Growth on plates generally requires additional incubation.
f. Depending on the medium used, growth will be indicated by increased turbidity, a color change, or both.
g. Inoculate 2 plates of Trypticase Soy Agar with 5% Defibrinated Sheep Blood with 0.1 mL to check for aerobic and anaerobic contamination. Incubate 1 plate anaerobically at 37°C, and the second plate aerobically at 37°C. No growth should occur on Trypticase Soy Agar with 5% Defibrinated Sheep Blood, incubated aerobically or anaerobically.

2. Tubes may be incubated aerobically, but plates are incubated under anaerobic conditions. The incubation temperature is 37°C.

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: Ureaplasma urealyticum (ATCC® 27618™)

Notes

Ureaplasma strains grow very rapidly. The indicator in the first tube will change color to a darker red within hours. It is especially important to make serial dilutions of this strain, for when alkaline conditions are reached (as indicated by the color change), the culture will rapidly die unless refrigerated immediately (+4°C) or stored frozen at -60°C. Refrigerated broth cultures may remain viable for periods up to 4 days. No visible turbidity will be seen. The color change is the only indication of growth. Therefore, transfer, freeze, or lyophilize the culture as soon as possible. There should be no growth on GM agar (Genital Mycoplasma) medium. Broth is the best method for propagation.

Store vials at freezer temperatures until ready to use.

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: 2

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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