Ureaplasma urealyticum Shepard et al.

27816™

Description

Strain designation: 58
Deposited As: *Ureaplasma urealyticum* Shepard et al.
Type strain: No
Serotype: IV

Storage Conditions

Product format: Frozen
Storage conditions: -80°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:
ATCC Medium 2616: Ureaplasma Medium - Special Modified Formulation
Temperature: 37°C
Atmosphere: Aerobic

Handling Procedures

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

PROCEDURES FOR PROPAGATING *MOLLICUTES*:

a. Open the thawed vial.
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 a third tube, etc. Dilutions are important, not only for titration purposes, but also keep culture in varying stages of growth. Many strains will die out rapidly once acid or alkaline conditions are reached. It is recommended to prepare several dilutions from the initial tube as the cryoprotectant used in the freeze-drying process often inhibits growth.

c. Use an uninoculated tube of broth to serve as a control.
d. Incubate all tubes under the recommended conditions and appropriate temperature. The time necessary for growth will vary from strain to strain.
e. Depending on the medium used, growth will be indicated by increased turbidity, a color change, or both.

2. Tubes may be incubated aerobically. The incubation temperature is 37°C.

Notes

Commercially available SP4 with urea (Hardy catalog # U513 or R87) may yield the best growth.
Growth on agar may be poor and slow. Broth is the best method for propagation. Ureaplasmas 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 out unless refrigerated immediately (+4°C) or stored frozen at -60°C. Refrigerated broth cultures may remain viable for periods up to 30 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. Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Ureaplasma urealyticum* Shepard et al. (ATCC 27816)

References

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

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