Ureaplasma parvum Robertson et al.

27815™

Description

Ureaplasma parvum strain 27 was isolated from a case of nongonococcal urethritis. This strain grows in B-broth medium for *Ureaplasma* and requires an additional 5-10% horse serum added to the broth for growth.

Strain designation: 27 [NCTC 11736]
Deposited As: *Ureaplasma urealyticum* Shepard et al.
Type strain: Yes
Serotype: III

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 1092: B-broth medium for Ureaplasma
Temperature: 37°C
Atmosphere: Aerobic

Handling Procedures

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

PROCEDURES FOR PROPAGATING MOLLICUTES:

a. Add **5-10% horse serum (Thermo-Fisher, 16050-122)** to tubes of ATCC Medium 1092: B-Broth Medium for Ureaplasma.
b. Open the thawed vial according to the enclosed instructions.
c. Make serial dilutions by transferring the entire contents of the vial to a test tube containing 4.5 mL of appropriate broth. Repeat process by transferring 0.5 mL from the second to third tube, etc.
d. Use an uninoculated tube of broth to serve as a control
e. Incubate all tubes under the recommended conditions at the appropriate temperature (see Step 2). The time required for growth may vary depending on the strain. For this strain, growth in broth is generally observed within 16 to 24 hours. The tubes may be held longer to observe growth in higher dilutions.
f. Growth will be indicated by increased turbidity, a color change, or both (see handling notes).
g. Inoculate a Trypticase Soy Agar with 5% Defibrinated Sheep Blood plate with 0.1 mL to check for contamination. Incubate plate at 37°C. No growth should occur on Trypticase Soy Agar with 5% Defibrinated Sheep Blood.

2. Tubes may be incubated aerobically at 37°C.
3. Subsequent, fresh transfer will grow more rapidly than the original thawed culture; but usually within 24 hours.

Notes

This strain requires an additional 5-10% horse serum (Thermo-Fisher, 16050-122) added to the broth for growth. *Ureaplasma* strains grow very rapidly. The indicator in the first tube will change from yellow to green within hours. It is especially important to make serial dilutions of this strain. 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 -80°C. Refrigerated broth cultures may remain viable for periods up to 30 days. No visible turbidity will be seen; therefore, the color change is the only indication of growth. Transfer, freeze, or lyophilize the culture as soon as possible. Store vials at freezer temperatures until ready to use.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Ureaplasma parvum* Robertson et al. (ATCC 27815)

References

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

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