



Product Sheet

Ureaplasma parvum (ATCC® 27815™)

Please read this FIRST



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
2

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 parvum* (ATCC® 27815™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: 27 [NCTC 11736]

Deposited Name: *Ureaplasma urealyticum* Shepard et al.

Antigenic Properties: Serotype III

Product Description: Type strain. Genome sequenced strain.

Propagation

Medium

ATCC® Medium 1092: B-broth medium for *Ureaplasma*

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 thawed vial according to enclosed instructions or visit www.atcc.org for 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 a third tube, etc. Dilutions are important, not only for titration purposes, but also to 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. 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 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.
2. Tubes may be incubated aerobically, but plates are incubated under anaerobic conditions. The incubation temperature is 37°C.

Notes

Ureaplasmas 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 -60°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.

Growth on agar medium is very poor and slow. 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.

ATCC Warranty



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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

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