



Mycoplasma genitalium **Tully et al.**

49896™

Product Sheet

Description

Strain designation: TW10-6G

Deposited As: *Mycoplasma genitalium* Tully et al.

Type strain: No

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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 2611: Spiroplasma Medium - Special Modified Formulation

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Handling Procedures

1. We recommend that you use T-flasks in the propagation of *Mycoplasma genitalium* so that a larger surface area will be available for the cells to adhere to the glass or plastic surface. Approximately 10 mL of Medium #2611 is placed in 25 cm² flasks, and 200 mL can be placed in 125 cm² flasks if larger amounts are desired.
2. Open the vial according to enclosed instructions.

3. Withdraw 0.5 mL of broth from one of the small T-flasks and rehydrate the entire pellet. Transfer this aliquot back into the flask.
4. Incubate the flask in a horizontal position at 37°C for 7 days to 2 weeks in 5% CO₂. This strain is very slow to establish growth. Observe the flask for flocs in the medium and for cells adhering to the bottom of the flask. Growth is also indicated by an indicator change from red to yellow.
5. When the medium has turned yellow, loosen adherent cells with a suitable, sterile scraper. Aseptically transfer the suspension to a centrifuge tube. Spin at 9000 rpm for 30 minutes. Pour off supernatant and resuspend pellet in fresh medium. You should have enough inoculum to make four additional small flasks, or one large one.

Notes

This organism is sensitive to the type of yeast extract used when making the medium. If growth problems occur, it is suggested to use ATCC Medium 9678 Yeast Extract #3.

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: *Mycoplasma genitalium* Tully et al. (ATCC 49896)

References

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

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