



Product Sheet

# *Mycoplasma genitalium* (ATCC® 49123™)

Please read this FIRST



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

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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: *Mycoplasma genitalium* (ATCC® 49123™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Designation:** TW 10-5G  
**Deposited Name:** *Mycoplasma genitalium* Tully et al.

## Propagation

**Medium**  
ATCC® Medium 2611: *Spiroplasma* medium

**Growth Conditions**  
**Temperature:** 37°C  
**Atmosphere:** Broth: Aerobic; Plates: 5% CO<sub>2</sub>

- Propagation Procedure**
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 cm<sup>2</sup> flasks, and 200 mL can be placed in 125 cm<sup>2</sup> 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. 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 orange.
  5. When the medium has turned orange, 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

Growth on agar is best achieved by using a candle jar. Colonies on #2611 agar are minute, circular, entire and clear. Growth on agar may take up to 14 days. The depositor has suggested that the initial slow, poor adherent growth may be due to the cryoprotectant. Subsequent transfers show improved growth time.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## References

References and other information relating to this product are available online at [www.atcc.org](http://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

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

## Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product



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sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.


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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).


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