



# 49123

## 49123™

### Description

*Mycoplasma genitalium* strain TW 10-5G was isolated in South Carolina from throat washing.

**Strain designation:** TW 10-5G

**Deposited As:** *Mycoplasma genitalium* Tully et al.

**Type strain:** No

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### Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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### 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.

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### 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.

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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 submerged 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 submerged in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Medium:**

ATCC Medium 2611: Spiroplasma Medium - Special Modified Formulation

**Temperature:** 37°C**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

## Handling Procedures

1. Open vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Prepare #2611 broth by adding an additional 5% heat-inactivated fetal bovine serum. The culture may not grow without this additional supplement.
3. Rehydrate the entire pellet with approximately 0.25 mL of #2611 broth. Aseptically transfer the entire contents to a 25 cm<sup>2</sup> T-flask with 2.5 mL of

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#2611 broth.

4. Additional flasks can be inoculated by transferring 0.25 mL of the primary T-flask to these secondary flasks.
  5. Incubate at 37°C for 7-14 days in an atmosphere of 5% CO<sub>2</sub>.
  6. Growth is typically indicated by a medium color change from red to yellow. In some cases the medium may not change color even though there are viable cells in the flask. Growth can be observed as a thin film of adherent cells to the bottom of the T-flask.
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### Notes

Commercially available SP4 Glucose (Remel catalog # R112585 for broth, and Remel catalog # R20276 for agar) may yield the best growth.

The flasks should be checked periodically to ensure the media is not evaporating. Add media as needed to maintain the 2.25 mL volume.

Growth is enhanced by the addition of 5% heat-inactivated fetal bovine serum and the use of T-flasks and growth vessels.

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).

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: 49123 (ATCC 49123)

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### References

References and other information relating to this material are available at

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

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