Mycoplasma genitalium Tully et al.

49899™

Description

Mycoplasma genitalium is a bacterium that was isolated in Texas from the synovial fluid of an arthritic knee joint.

Strain designation: [UMTB-10G]
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 0988: Spiroplasma medium SP-4
Temperature: 37°C
Atmosphere: Broth: Aerobic; Plates: 5% CO_2

Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.25 mL of #988 broth. Aseptically transfer the entire contents to a 25 cm^2 T-flask with 2.5 mL of 988 broth.
3. Additional flasks can be inoculated by transferring 0.25 mL of the primary T-

flask to these secondary flasks.

4. Incubate the flasks in a horizontal position at 37°C for 7-30 days. Plates incubate at 37°C for 7-30 days in an atmosphere of 5% CO_2.
5. Growth is indicated by a medium color change from red to yellow. Growth can be observed as a thin film of adherent cells to the bottom of the T-flask and/or observe for flocs in the medium.
6. 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

Commercially available SP4 Glucose (Remel catalog # R112585 or #R20376 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.

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 49899)

References

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

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