



Product Sheet

Mycoplasma arginini (ATCC® 23838™)

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: *Mycoplasma arginini* (ATCC® 23838™)

Description

Designation: G230 [NCTC 10129]
Deposited Name: *Mycoplasma arginini* Barile et al.
Product Description: Type strain

Propagation

Medium

ATCC® Medium 484: PPLO broth with additives for Mycoplasma

Growth Conditions

Temperature: 37°C

Atmosphere: Broth: Aerobic, Plates: 5% CO₂

Propagation Procedure

1. Follow instructions as suggested for the culturing of Mollicutes:
PROCEDURES FOR PROPAGATING MOLLICUTES:
 - a. Open the vial according to the enclosed instructions.
 - b. Using a Pasteur or 1 mL pipette, withdraw approximately 0.25 mL from a tube containing 2.5 mL of broth. Rehydrate the entire pellet.
 - c. Aseptically transfer this aliquot back into the tube. Mix well.
 - d. Make serial dilutions by transferring 0.25 mL from the original tube to a tube containing 2.25 mL. Repeat process by transferring 0.25 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.
 - e. Use an uninoculated tube of broth to serve as a control.
 - f. Plates may be inoculated to check colonial 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.
 - g. 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.
 - h. Depending on the medium used, growth will be indicated by increased turbidity, a color change, or both.
2. This strain will start to show a color change by a darkening of the medium's red color due to alkaline formation in the first few dilution tubes within 24 to 48 hours. Additional incubation will be required for growth on solid agar.
3. Subsequent, fresh transfers will grow more rapidly than the original culture.

Notes

For solid medium, add Noble Agar (BD 214230).
Broth tubes may be incubated aerobically, but plates should be under 5% CO₂. Growth in broth is indicated by a darkening of the medium's red color due to alkaline formation.
Store unopened lyophilized vials at freezer temperatures until ready for use.
Purified genomic DNA of this strain is available as ATCC® 23838D™.
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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Email: Tech@atcc.org


Or contact your local distributor




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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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