



Product Sheet

Mycoplasma gateae (ATCC® 23392™)

Please read this FIRST



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 gateae* (ATCC® 23392™)

Description

Deposited Name: *Mycoplasma gateae* Cole et al.

Propagation

Medium

ATCC® Medium 243: Mycoplasma medium

Growth Conditions

Temperature: 37.0°C

Atmosphere: 5% CO₂

Propagation Procedure

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 1.0 ml pipette, withdraw approximately 0.5 to 1.0 ml from a tube containing 5.0 ml. Rehydrate the pellet.
 - c) Aseptically transfer this aliquot back into the tube. Mix well.
 - d) Make serial dilutions by transferring 0.5 ml from the original tube to a tube containing 4.5 ml. Repeat process by transferring 0.5 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 is indicated by increased turbidity, a color change, or both.
2. This strain starts to show turbidity in the first few dilution tubes within 24 to 48 hours. Additional incubation may be required for growth on solid medium.
 3. Subsequent, fresh transfers grow in 24 hours. The freeze-drying process and the cryoprotectant occasionally slows the growth rate of the initial culture.

Notes

Store vials at freezer temperatures until ready to use.

Broth tubes may be incubated aerobically, but plates should be under an atmosphere of 5% CO₂.

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.

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American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

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longer valid.

Disclaimers

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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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PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

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Fax: 703.365.2750
Email: Tech@atcc.org

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