



Product Sheet

Methanomicrobium mobile (ATCC® 35094™)

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: *Methanomicrobium mobile* (ATCC® 35094™)

Description

Designation: DSM 1539 [1]

Deposited Name: *Methanomicrobium mobile* Balch and Wolfe

Propagation

Medium

ATCC® Medium 1551: Methanomicrobium medium

Growth Conditions

Temperature: 37.0°C

Atmosphere: Anaerobic

Propagation Procedure

2. If needed exchange the gas in the test tube for 80% H₂-20% CO₂ (5 psi).
3. When the Balch tube is ready to inoculate, thaw the frozen vial at room temperature under a gentle stream of oxygen-free gas.
4. For inoculation, use an anaerobic (see c below) 1.0 ml syringe tipped with 22-gauge needle, withdraw the cell suspension from the vial and transfer it to the broth. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 26°C. Use 0.1 ml of the inoculated culture to inoculate a nonselective aerobic broth and an additional tube of #2635 broth. Incubate the non-selective aerobic broth tubes at 26°C.
5. After the tubes have been inoculated increase gas (80% H₂-20% CO₂) pressure up to 20 -25 psi. Incubate the anaerobic tube at 37°C.
6. Growth should be detected in the #1551 broth within 7 to 10 days. There should be no growth detected on the aerobic plate or in the aerobic broth.

References

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

Biosafety Level: 1

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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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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