



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% H<sub>2</sub>-20% CO<sub>2</sub> (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% H<sub>2</sub>-20% CO<sub>2</sub>) 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](http://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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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