



Product Sheet

# *Methylococcus capsulatus* (ATCC® 19069™)

Please read this **FIRST**



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## 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: *Methylococcus capsulatus* (ATCC® 19069™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Designation:** Texas

**Deposited Name:** *Methylococcus capsulatus* Foster and Davis

**Product Description:** Type strain

## Propagation

### Medium

ATCC® Medium 1306: Nitrate mineral salts medium (NMS)

### Growth Conditions

**Temperature:** 37°C

**Atmosphere:** 50% methane (CH<sub>4</sub>) - 50% air

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of broth, aseptically transfer 0.5 mL to the vial and rehydrate the pellet.
3. Aseptically transfer this aliquot back to the broth tube and mix well. Transfer 0.1 mL to slants. Plate the rehydrated culture (0.1 mL) onto non selective medium (to test for purity). Exchange the headspace with a gas mixture of 50% methane and 50% air.
4. Incubate the culture at 37°C. The culture needs to be fed a mixture of 50% methane and 50% air every 24 hours for best results.
5. Growth should be detected within 5 to 7 days. No growth should occur on the non-selective plates.

## Notes

Shaking may improve growth.

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

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

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