**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 (CH₄) - 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. 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.

**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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This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product.

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**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™)

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**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
Product Sheet

*Methylococcus capsulatus* (ATCC® 19069™)

**Please read this FIRST**

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