ATCC

Product Sheet

# *Methylocystis sp.* (ATCC® 49242™)

**Please read this FIRST**

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: *Methylocystis sp.* (ATCC® 49242™)

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

*Or contact your local distributor*

## Description

**Designation:** Rockwell
**Deposited Name:** *Methylosinus trichosporium* (ex Whittenbury et al.) Bowman et al.

## Propagation

**Medium**
ATCC® Medium 1683: Ammonium mineral salts medium without methanol

**Growth Conditions**
**Temperature:** 25.0°C
**Atmosphere:** 50% methane

**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 entire 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). When using Medium #1683 use a gas mixture of 50% methane and 50% air.**
**4. Incubate the culture at 25ºC for 48 to 72 hours. When using Medium #1683 the culture needs to be fed a mixture of 50% methane and 50% air every 48-72 hours for best results.**
**5. Growth should be detected within 3 to 5 days. No growth should be detected on the non-selective plates. Growth can be obtained on #1683 plates when incubated under an atmosphere of 50% air 50% methane. It takes 7-10 days for colonies to form on plates. The colonies are pin point and white.**

## Notes

**Microscopic examination shows the cells to be non-motile rods in single and pairs.**

## 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.**

## ATCC Warranty

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## Disclaimers

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**of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.**

**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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