



# **Methylovulum miyakonense**

**BAA-2070™**

## **Description**

**Strain designation:** HT12

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Frozen

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## **Intended Use**

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## **BSL 1**

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is

important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 1306: Nitrate mineral salts medium (NMS)

**Temperature:** 26°C

**Atmosphere:** 50% CH<sub>4</sub>, 50% Air

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## Handling Procedures

1. Open vial according to enclosed instructions.
  2. Using a single tube of #1306 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Thaw the entire pellet.
  3. Aseptically transfer this aliquot back into the broth tube. Mix well.
  4. Use several drops of the suspension to inoculate a secondary #1306 broth tube.
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## Notes

This culture does not recover from preservation when cryoprotectants such as glycerol are used. This item needs to be preserved with 10% DMSO solution. This item grows weakly without the Bacto Tryptone additive, but has better propagation results when grown with the 0.01% Bacto tryptone. No reducing agents are needed.

This culture becomes turbid within 48 hours and reaches a stationary growth phase in 3 to 5 days. The cells are large coccoid cells that are non-motile and appear in singles or as diplococci. Cells stain gram negative.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Methylovulum miyakonense* (ATCC BAA-2070)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## **Revision**

This information on this document was last updated on 2021-05-19

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