Methylomicrobium agile (Bowman et al.) Bowman et al.

35068™

Description

Strain designation: NCIB 11124 [A30, ACM 3308]
Deposited As: *Methylomonas agile* Whittenbury et al.
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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.

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.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:
ATCC Medium 1306: Nitrate mineral salts medium (NMS)
Temperature: 30°C
Atmosphere: 50% CH_4, 50% Air

Handling Procedures

1. Open vial according to enclosed instructions.

2. Using a single tube of #1306 broth (5 to 6 ml), aseptically transfer 0.5 to 1.0 ml to the vial and rehydrate the pellet.

3. Aseptically transfer this aliquot back into the broth tube and mix well under a gas mixture of 50% methane and 50% air. Transfer 0.1 ml to slants. Plate rehydrated

culture (0.1 ml) onto a non-selective medium (plate) to test for purity.

4. Incubate the culture at 30ºC for 48 hours. Feed the culture a mixture of 50% methane/50% air every 24 to 48 hours. Incubate non-selective plate aerobically.

5. Growth should be detected within 3 to 5 days. No growth should occur on non-selective plate.

Notes

Microscopic examination shows the cells to be rods, in singles and pairs that are motile.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Methylomicrobium agile* (Bowman et al.) Bowman et al. (ATCC 35068)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

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