Methylocystis hefeiensis

BAA-1775™

Description

Strain designation: m261
Type strain: No

Storage Conditions

Product format: Frozen

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. Immediately prior to working with the culture place the frozen vial at room temperature to thaw.

2. Aseptically transfer the entire contents of the vial into a single broth tube (5 6 ml) of ATCC® medium 1306. Additional tubes can be inoculated by transferring of 0.1 ml to slants and 0.5 ml to broth tubes. Plate the rehydrated culture (0.1 ml) onto nonselective medium (to test for purity). When using Medium #1306, use a gas mixture of 50% methane and 50% air.

3. Incubate the culture at 30ºC for 3 to 5 days. When using Medium #1306, the

culture needs to be fed a mixture of 50% methane and 50% air every 24 to 48 hours for best results.

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

Notes

Cells are gram negative rods; cells occur singly and do not aggregate. Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Methylocystis hefeiensis* (ATCC BAA-1775)

References

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

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Revision

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