



***Methylobacterium* *extorquens* (Urakami and Komagata) Green and Ardley**

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Description

Methylobacterium extorquens strain NCIB 9133 [D 355; AM1, R. Hugh 1924] is a whole-genome sequenced bacterial strain that produces glutamate dehydrogenase.

Strain designation: NCIB 9133 [D 355; AM1, R. Hugh 1924]

Deposited As: *Pseudomonas* sp.

Type strain: No

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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

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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 submerged 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 submerged 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 0396: Methylamine-salts medium

Temperature: 30°C

Atmosphere: Aerobic

Handling Procedures

1. Open vial.
2. Using a single tube of broth, aseptically transfer 0.5 mL to the vial and

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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 on to a non-selective medium.
 4. Incubate the culture at 30°C for 48-96 hours.
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Notes

Culture also grows on ATCC Medium #3 - Nutrient Broth (BD 234000) and Nutrient Agar (BD 213000).

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: *Methylobacterium extorquens* (Urakami and Komagata) Green and Ardley (ATCC 14718)

References

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

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While other unspecified media and reagents may also produce satisfactory results, a

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