



Colwellia piezophila Nogi et al.

BAA-637™

Description

Colwellia piezophila strain Y2239 is an obligate halophile, piezophile, and psychrophile that was isolated in 2001 from saltwater sediment.

Strain designation: Y2239 [JCM 11831]

Deposited As: *Colwellia piezophila*

Type strain: Yes

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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 2: Marine agar 2216 or marine broth 2216

Temperature: 10°C

Atmosphere: Aerobic [an obligately piezophilic (60 MPa), temperature-sensitive bacterium]

Handling Procedures

This organism is an obligate halophile, barophile, and psychrophile. It grows optimally at 10°C and 60 MPa (equivalent to 60 bar = 870 psi) of pressure. This organism should only be handled by people experienced with working with high-pressure apparatus.

Notes

Cells are Gram negative motile rods. It is a facultative anaerobic chemoorganotroph. It will not grow in the absence of NaCl or at atmospheric pressure.

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: *Colwellia piezophila* Nogi et al. (ATCC BAA-637)

References

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

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