Shewanella hanedai (Jensen et al.) MacDonell and Colwell

33224™

Description

Strain designation: 281
Deposited As: *Alteromonas hanedai* Jensen 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.

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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 0101: Photobacterium Broth
Temperature: 14°C

Handling Procedures

1. Pre-chill all media by placing at 4ºC for 30 minutes.

2. Open vial according to enclosed instructions.

3. Using a single tube of #101 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.

4. Aseptically transfer this aliquot back into the broth tube. Mix well.

5. Incubate the broth tube immediately for 72 hours at 14ºC.

6. Transfer can now be made to other tubes of broth, slants, and/or plates.

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Notes

This strain will grow on Marine Broth 2216 (BD 279110) and Marine Agar 2216 (BD 212185), but Photobacterium Medium is recommended for demonstrating luminescence. To check for luminescence, inoculate a slant, leaving cap loose. Incubate at optimal temperature until growth is observed. Then, hold in the dark for 10 minutes. If no luminescence is detected, reincubate and check again after 24-48 additional hours. When maximum luminescence is obtained, stopper tightly.

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Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: *Shewanella hanedai* (Jensen et al.) MacDonell and Colwell (ATCC 33224)

References

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

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