



# *Shewanella benthica* MacDonell and Colwell

43991™

## Description

**Strain designation:** UM 40

**Deposited As:** *Shewanella benthica* MacDonell and Colwell

**Type strain:** No

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## 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.

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## 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 2: Marine agar 2216 or marine broth 2216

**Temperature:** 4°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. **KEEP VIAL FROZEN UNTIL READY TO USE. DO NOT ALLOW TEMPERATURE OF CULTURE TO RISE ABOVE 4°C OR CELLS WILL LYSE.**
2. Allow vial to thaw in the refrigerator. Keep all media cold.
3. Add contents of vial to a single **COLD** broth tube (5 to
4. Use several drops of the suspension to inoculate a #2 slant, and/or plate
5. Incubate the tubes and plate at the recommended temperature for one week.

6. After growth has been achieved, additional transfers may be made or cells prepared for storage. Initial growth may be slow and solid medium may need to be reinoculated if growth is sparse.
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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 benthica* MacDonell and Colwell (ATCC 43991)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## **Revision**

This information on this document was last updated on 2024-06-15

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## **Contact Information**

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