



Vibrio alginolyticus (Miyamoto et al.)

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Description

Vibrio alginolyticus strain XII-53 is a whole-genome sequenced bacterial type strain that was isolated in Japan from spoiled horse mackerel that resulted in food poisoning. It has applications in bioinformatics.

- **Strain designation** XII-53 [P. Baumann 118]
- **Deposited As** *Oceanomonas alginolytica* Miyamoto et al.
- **Type strain** Yes
- **Serotype** XII

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 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

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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 2: Marine agar 2216 or marine broth 2216](#)
 - **Temperature** 37°C
 - **Atmosphere** Aerobic
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Handling Procedures

- 1. Open vial according to enclosed instructions.
 - 2. Using a single tube of #2 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.
 - 3. Aseptically transfer this aliquot back into the broth tube. Mix well.
 - 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 24 hours.
 - 6. After growth has been achieved, additional transfers may be made or cells prepared for storage. Most *Vibrio* species will die off rapidly once the stationary phase is reached, even at refrigerator temperatures. To avoid frequent transfers, it is recommended that cells be frozen with a suitable cryoprotectant.
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Notes

If incubation is extended, colonies will spread over agar.

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: *Vibrio alginolyticus* (Miyamoto et al.) Sakazaki (ATCC 17749)

References

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

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Revision

This information on this document was last updated on 2022-10-09

Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor