



Product Sheet

Aliivibrio fischeri (ATCC® 49387™)

Please read this **FIRST**



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Aliivibrio fischeri* (ATCC® 49387™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: NRRL B-11177

Deposited Name: *Photobacterium phosphoreum* (Cohn) Beijerinck

Propagation

Medium

ATCC® Medium 101: Photobacterium broth

Growth Conditions

Temperature: 15°C

Atmosphere: Aerobic

Propagation Procedure

1. Open vial according to enclosed instructions.
2. 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.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Incubate the broth tube for 4 to 5 days at 15-18°C. This strain needs to establish good growth in broth culture before additional transfers are made.
5. After growth has been achieved, transfer can be made to secondary tubes of broth, slants, and plates. Additional incubation may be required for growth on solid media.

Notes

This strain may be temperature sensitive. You should use chilled media for rehydration or the cells may be damaged. Place tubes at the proper temperature immediately. Temperatures above 20°C should be avoided. Store or transfer immediately. Do not let them stand at room temperature.

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.

Additional information on this culture is available on the ATCC®C web site at www.atcc.org.

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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***Aliivibrio fischeri* (ATCC®) 49387™)**

confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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