



Product Sheet

# *Aliivibrio fischeri* (ATCC® 7744™)

Please read this FIRST



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

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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® 7744™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

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## Description

**Designation:** [NCMB 1281]

**Deposited Name:** *Achromobacter fischeri* (Beijerinck) Bergey et al.

**Product Description:** Type strain. Formerly *Vibrio fischerii*.

## Propagation

### Medium

ATCC® Medium 101: Photobacterium broth

### Growth Conditions

**Temperature:** 26°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 24 to 48 hours at 26°C
5. Transfer can now be made to other tubes of broth, slants, and/or plates.

## Notes

*Vibrio fischeri* (Beijerinck 1889) Lehmann and Neumann 1896 (Approved Lists 1980) and *Photobacterium fischeri* (Beijerinck 1889) Reichelt and Baumann 1973 (Approved Lists 1980) have the same type strain and therefore are homotypic synonyms (Rules 24a and 24b of the International Code of Nomenclature of Bacteria and Viruses).

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 26°C for 18 hours. Then, hold in the dark for 10 minutes. If no luminescence is detected, reincubate and check again after 36, 48, and 72 hours. When maximum luminescence is obtained, stopper tightly.

This strain needs to establish good growth in broth culture before additional transfers are made. Additional incubation may be required for growth on solid media.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## References

References and other information relating to this product are available online at [www.atcc.org](http://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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## Disclaimers



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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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