ATCC

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

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

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

Or contact your local distributor

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 26oC 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.

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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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This product is intended for laboratory research purposes only. It is not intended for use in humans.

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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