Aliivibrio fischeri (Beijerinck) Urbanczyk et al.

14546™

Description

Strain designation: [NCMB 25]
Deposited As: *Photobacterium pierantonii* (Zirpolo) Krasil'nikov
Type strain: No

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 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.

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 0101: Photobacterium Broth
Temperature: 26°C
Atmosphere: Aerobic

Handling Procedures

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

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.
Colonies appear entire, glistening, smooth, yellowish, and opaque.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Aliivibrio fischeri* (Beijerinck) Urbanczyk et al. (ATCC 14546)

References

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

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Revision

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