



# ***Photobacterium leignathi* Boisvert et al.**

**33469™**

## **Description**

*Photobacterium leignathi* strain E28 is a strongly bioluminescent bacterium that was isolated from the Red Sea.

**Strain designation:** E28

**Deposited As:** *Photobacterium leignathi* Boisvert et al.

**Type strain:** No

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## **Storage Conditions**

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## **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.

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## **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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Medium:**

ATCC Medium 1163: *Photobacterium* MPY medium

**Temperature:** 26°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Open thawed vial.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #1163 broth.  
Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #1163 plate and/or

#1163 agar slant.

4. Incubate at 26°C for 24 hours.

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## Notes

Some variation in colony size is observed.

After 48 hours, luminescence can be seen after dark-adapting culture for 10 to 20 minutes. To dark-adapt, place the culture in a light-proof container or take it into a dark room. Culture will glow in the dark.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Photobacterium leiognathi* Boisvert et al. (ATCC 33469)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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