Photorhabdus luminescens subsp. *luminescens* (Thomas and Poinar) Boemare et al.

29999™

Description

Type strain that exhibits bioluminescence following dark adaption.
Strain designation: Hb [DSM 3368, HB1, NCIB 12670]
Deposited As: *Xenorhabdus luminescens* Thomas and Poinar
Type strain: Yes

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 3: Nutrient agar or nutrient broth
Temperature: 30°C
Atmosphere: Aerobic

Handling Procedures

1. Open vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Rehydrate the entire pellet with approximately 0.5 mL of #3 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #3 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 #3 plate and/or agar slant.
4. Incubate at 30°C for 24-72 hours.

Notes

Depositor suggests that to see bioluminescence, grow culture in 100 mL of Nutrient Broth in a 250 mL flask. After 48 hours, luminescence can be seen after dark-adapting culture for 10 to 20 minutes. To dark-adapt, place the culture in a lightproof 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.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Photorhabdus luminescens* subsp. *luminescens* (Thomas and Poinar) Boemare et al. (ATCC 29999)

References

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

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