



# ***Geobacillus thermoleovorans* (Zarilla and Perry) Nazina et al.**

**43514™**

## **Description**

**Strain designation:** BI-1

**Deposited As:** *Bacillus thermoleovorans* Zarilla and Perry

**Type strain:** No

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## **Storage Conditions**

**Product format:** Freeze-dried

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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.

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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 submerged 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 submerged 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 1554: Mineral salts (L-salts) for thermophiles

**Temperature:** 50-60°C

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### **Handling Procedures**

- 1. Open vial according to enclosed instructions.**
- 2. Using a single tube of #1554 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. Additional broth tubes may be inoculated with 0.5ml each from the initial broth. It is advisable to establish good growth in broth before making transfers to agar.**

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4. Incubate tubes statically at 50-60°C. Growth should occur in 48 to 72 hours.
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### **Notes**

This strain will grow well on Tryptic Soy Broth and Agar, but #1554 is recommended by the depositor. On #1554 plates, colonies are opaque, round, and small.

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### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Geobacillus thermoleovorans* (Zarilla and Perry) Nazina et al. (ATCC 43514)

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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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## **Revision**

This information on this document was last updated on 2023-02-28

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