



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

**43513™**

## **Description**

**Strain designation:** LEH-1 [DSM 5366]

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

**Type strain:** Yes

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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**

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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 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 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. Mix well.
4. Use several drops of the suspension to inoculate a second tube of broth, a slant,

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and/or plate.

5. Incubate all tubes and plate at 55°C for 24 hours.

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### **Notes**

Growth on agar yields very small, opaque colonies.

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: *Geobacillus thermoleovorans* (Zarilla and Perry) Nazina et al. (ATCC 43513)

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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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