**Product Information Sheet for NR-2548**

**Genomic DNA from Lysinibacillus sphaericus, Strain Ford 25 (CCM 2177)**

**Catalog No. NR-2548**

For research use only. Not for human use.

**Contributor:**

ATCC®

**Product Description:**

Genomic DNA was isolated from a preparation of *Lysinibacillus sphaericus* (L. sphaericus), strain Ford 25. *L. sphaericus* is also referred to as *Bacillus sphaericus*.1,2

*L. sphaericus* is a mesophilic, strictly aerobic, spore-forming bacillus. These bacteria metabolize a variety of organic and amino acids but cannot metabolize sugars.3 During sporulation some strains of *L. sphaericus* synthesize a parasporal crystal which contains proteins that are toxic to the larvae of a variety of mosquito species.3,4

NR-2548 has been qualified for PCR applications by amplification of ~755 bp of the 16S ribosomal RNA.

**Material Provided:**

Each vial contains 1 to 3 µg of dried bacterial genomic DNA. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-2548 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Lysinibacillus sphaericus*, Strain Ford 25 (CCM 2177), NR-2548.”

**Biosafety Level: 1**


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**References:**


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