Genomic DNA from *Paenibacillus macerans*, Strain NRS 888

Catalog No. NR-2542

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Contributor:
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Product Description:
Genomic DNA was isolated from a preparation of *Paenibacillus macerans*, strain NRS 888.

Paenibacillus macerans (formerly *Bacillus macerans*)[1] are Gram-positive, dinitrogen-fixing, spore-forming rods belonging to a class of bacilli of the phylum *Firmicutes*. These bacteria have been isolated from a variety of sources including soil, water, plants, food, diseased insect larvae, and clinical specimens.

NR-2542 has been qualified for PCR applications by amplification of ~ 645 bp of the 16S ribosomal RNA.

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

Packaging/Storage:
NR-2542 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 *Paenibacillus macerans*, Strain NRS 888, NR-2542."

Biosafety Level: 1
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

Disclaimers:
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