

Genomic DNA from *Paenibacillus macerans*, Strain NRS 888

Catalog No. NR-52271

For research use only. Not for use in humans.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:
Genomic DNA was extracted from a preparation of *Paenibacillus macerans* (*P. macerans*), strain NRS 888.

P. macerans, strain NRS 888 was deposited at ATCC® in 1961 by Dr. N. R. Smith (ATCC® 8244™). The complete genome of *P. macerans*, strain 8244 is available (GenBank: [JMQA00000000](https://www.ncbi.nlm.nih.gov/nuccore/JMQA00000000)).

NR-52271 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:
Each vial contains approximately 0.7 µg to 1.5 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH 8 to 8.5). The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-52271 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen 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 BEI Resources, NIAID, NIH: Genomic DNA from *Paenibacillus macerans*, Strain NRS 888, NR-52271.”

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](https://www.cdc.gov/biosafety/publications/bmbl5/index.htm). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:
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References:
1. Tilden, E. B. and C. S. Hudson. “Preparation and Properties of the Amylases Produced by *Bacillus macerans* and *Bacillus polymyxa*.” *J. Bacteriol.* 43 (1942): 527-544. PubMed: 16560519.

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