

Genomic DNA from *Paenibacillus polymyxa*, Strain NCIB 8158

Catalog No. NR-52276

For research use only. Not for use in humans.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Paenibacillus polymyxa* (*P. polymyxa*), strain NCIB 8158 (also referred to as ATCC® 842™).

P. polymyxa, strain NCIB 8158 originates from the culture collection belonging to A. J. Kluyver.^{1,2} The complete genome of *P. polymyxa*, ATCC 842 has been sequenced (GenBank: [AFOX00000000](https://www.ncbi.nlm.nih.gov/nuccore/AFOX00000000)).²

NR-52276 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-52276 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 polymyxa*, Strain NCIB 8158, NR-52276.”

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](#), 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. Smith, N. R., et al. “Type Cultures and Proposed Neotype Cultures of Some Species in the Genus *Bacillus*.” [J. Gen. Microbiol.](#) 34 (1964): 269-272. PubMed: 14135533.
2. Jeong, H., et al. “Draft Genome Sequence of the *Paenibacillus polymyxa* Type Strain (ATCC 842^T), a Plant Growth-Promoting Bacterium.” [J. Bacteriol.](#) 193 (2011): 5026-5027. PubMed: 21742878.

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