

## Genomic DNA from *Bacillus anthracis*, Strain Weybridge

### Catalog No. NR-10446

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#### Contributor:

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#### Product Description:

Genomic DNA was isolated from a preparation of *Bacillus anthracis* (*B. anthracis*), strain Weybridge. *B. anthracis*, strain Weybridge was isolated by the Microbiological Research Establishment (MRE) in Porton Down, England (MRE closed in 1979). Strain Weybridge is an avirulent strain that contains the toxigenic pXO1 plasmid but lacks the pXO2 capsule plasmid.<sup>1,2</sup>

The presence of pXO1 and absence of pXO2 in NR-10446 has been confirmed by PCR amplification of plasmid-specific sequences from extracted DNA. NR-10446 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

#### Material Provided:

Each vial contains 4 to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-10446 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 *Bacillus anthracis*, Strain Weybridge, NR-10446."

#### 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/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

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#### References:

1. Battisti, L., B. D. Green and C. B. Thorne. "Mating System for Transfer of Plasmids among *Bacillus anthracis*, *Bacillus cereus*, and *Bacillus thuringiensis*." J. Bacteriol. 162 (1985): 543-550. PubMed: 3988702.
2. Green, B. D., et al. "Demonstration of a Capsule Plasmid in *Bacillus anthracis*." Infect. Immun. 49 (1985): 291-297. PubMed: 3926644.
3. Oncü, S., S. Oncü, and S. Sakarya. "Anthrax-An Overview." Med. Sci. Monit. 9 (2003): RA276-RA283. PubMed: 14586293.
4. Pomerantsev, A. P., et al. "Genome Engineering in *Bacillus anthracis* using Cre Recombinase." Infect. Immun. 74 (2006): 682-693. PubMed: 16369025.
5. Spencer, R. C. "*Bacillus anthracis*." J. Clin. Pathol. 56 (2003): 182-187. PubMed: 12610093.

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