Genomic DNA from *Bacillus anthracis*, Strain Ames35

Catalog No. NR-10450

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Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was isolated from a preparation of *Bacillus anthracis* (*B. anthracis*), strain Ames35. *B. anthracis*, strain Ames35 is a derivative of *B. anthracis*, strain Ames that was treated with novobiocin to cure it of the pXO2 plasmid.[1,2]

NR-10450 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene. The presence of pXO1 and absence of pXO2 in NR-10450 have been confirmed by PCR.

Material Provided:

Each vial of lot 59557827 contains 0.7 to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). Each vial of lot 58485570 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-10450 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 BEI Resources, NIAID, NIH: Genomic DNA from *Bacillus anthracis*, Strain Ames35, NR-10450."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Pomerantsev, A. P., et al. "Genome Engineering in *Bacillus anthracis* using Cre Recombinase." Infect. Immun. 74 (2006): 682-693. PubMed: 16369025.
2. Green, B. D., et al. "Demonstration of a Capsule Plasmid in *Bacillus anthracis*." Infect. Immun. 49 (1985): 291-297. PubMed: 3926644.

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