

Product Information Sheet for NR-10294

Genomic DNA from *Bacillus anthracis*, Strain Sterne BA852 ($\Delta asbB$)

Catalog No. NR-10294

This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was isolated from a preparation of *Bacillus anthracis* (*B. anthracis*), strain Sterne BA852 ($\Delta asbB$).

This strain is a markerless, nonpolar, 1713 bp deletion mutant of the petrobactin biosynthetic gene ($\Delta asbB$) of the toxigenic acapsulate original Sterne strain (34F2).¹⁻³ Additional information is available at the [Resource Center for Biodefense Proteomics Research \(BPRC\)](#).

NR-10294 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene. The presence of plasmid pXO1 and absence of plasmid pXO2 have been confirmed by PCR amplification of plasmid-specific sequences from extracted DNA.

Material Provided:

Each vial contains 4 to 6 μ g 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-10294 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 contributed by P. Hanna, University of Michigan for distribution through BEI Resources, NIAID, NIH: Genomic DNA from *Bacillus anthracis*, Strain Sterne BA852 ($\Delta asbB$), NR-10294."

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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References:

1. http://pir.georgetown.edu/cgi-bin/textsearch_cat_ra.pl?datatype=bacteria&search=1&field0=ID&query0=NR-9990
2. Lee, J. Y., et al. "Biosynthetic Analysis of the Petrobactin Siderophore Pathway from *Bacillus anthracis*." *J. Bacteriol.* 189 (2007): 1698-1710. PubMed: 17189355.
3. Sterne, M. "The Immunization of Laboratory Animals against Anthrax." *Onderstepoort J. Vet. Sci. Anim. Ind.* 13 (1939): 313-317.

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