

Genomic DNA from *Mycobacterium bovis*, Strain AF 2122/97 (ATCC® BAA-935™)

Catalog No. NR-31216

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Contributor:

BEI Resources

Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado

Product Description:

NR-31216 is a preparation of genomic DNA extracted from a culture of *Mycobacterium bovis*, strain AF 2122/97 (ATCC® BAA-935™). The culture was grown to late log phase in sodium pyruvate alanine salts medium and harvested by centrifugation. Cell lipids were removed and the delipidated cells were treated with lysozyme and RNase overnight followed by sodium dodecyl sulphate and Proteinase K. DNA was precipitated with isopropanol.

Material Provided:

Each vial of NR-31216 contains approximately 100 µg of genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA buffer, pH 8).

Packaging/Storage:

NR-31216 was packaged aseptically in cryovials. The product is provided frozen on blue ice and should be stored at -80°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 *Mycobacterium bovis*, Strain AF 2122/97 (ATCC® BAA-935™), NR-31216."

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.

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References:

1. Belisle, J. T. and M. G. Sonnenberg. "Isolation of Genomic DNA from *Mycobacterium*." Methods Mol. Bio. 101 (1998): 31-34. PubMed: 9921467.
2. Garnier, T., et al. "The Complete Genome Sequence of *Mycobacterium tuberculosis*." Proc. Natl. Acad. Sci. USA 24 (2003): 7877-7882. PubMed: 12788972.

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