

Genomic DNA from *Mycobacterium tuberculosis*, Strain HN878

Catalog No. NR-14867

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Contributor and Manufacturer:

NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

NR-14867 is a preparation of genomic DNA extracted from a culture of *Mycobacterium tuberculosis*, strain HN878. The culture was grown to late log phase in glycerol-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-14867 contains approximately 100 µg of genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA buffer, pH 8).

Packaging/Storage:

NR-14867 was packaged aseptically in a tube. 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 tuberculosis*, Strain HN878, NR-14867."

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., et al. "Isolation of Genomic DNA from Mycobacteria." Methods Mol. Biol. 101 (1998): 31-44. PubMed: 9921467.
2. Cole, S. T., et al. "Deciphering the Biology of *Mycobacterium tuberculosis* from the Complete Genome Sequence." Nature 393 (1998): 537-544. PubMed: 9634230. Erratum in: Nature 396 (1998): 190-198.

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