

Genomic DNA from *Mycobacterium tuberculosis*, Strain H37Rv

Catalog No. NR-14865

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Contributor and Manufacturer:

NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

NR-14865 is a preparation of genomic DNA extracted from a culture of *Mycobacterium tuberculosis*, strain H37Rv. 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-14865 contains approximately 100 µg of genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA buffer, pH 8).

Note: The final concentration reported on the Genomic DNA Quality Control Record refers to the pre-vialing concentration determined by Colorado State University.

Packaging/Storage:

NR-14865 was packaged aseptically in cryovials. The product is provided frozen on dry 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 H37Rv, NR-14865."

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/bmb15/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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