

Genomic DNA from *Mycobacterium tuberculosis*, Strain East African Indian 91_0079

Catalog No. NR-44095

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Contributor:

BEI Resources

Manufacturer:

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Product Description:

NR-44095 is a preparation of genomic DNA extracted from a culture of *Mycobacterium tuberculosis*, strain East African Indian 91_0079. The culture was grown to late log phase in glycerol-alanine-salts medium and harvested by centrifugation. Cell lipids were removed by chloroform/methanol (2:1) extraction in an equal volume of Tris-EDTA buffer. Delipidated cells were exposed to lysozyme and RNase overnight, followed by sodium dodecyl sulphate and Proteinase K treatment, and genomic DNA was isolated from contaminating proteins using organic extraction. DNA was precipitated with isopropanol to remove polysaccharide contaminants.

Material Provided:

Each vial of NR-44095 contains approximately 100 µg of genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA buffer, pH 8).

Packaging/Storage:

NR-44095 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 East African Indian 91_0079, NR-44095."

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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