

## Genomic DNA from *Mycobacterium leprae*, Strain Thai-53

### Catalog No. NR-19352

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#### Contributor:

BEI Resources or NIH – Leprosy Research Support Contract

#### Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA or NIH – Leprosy Research Support Contract

#### Product Description:

NR-19352 is a preparation of genomic DNA from *Mycobacterium leprae*, strain Thai-53. DNA was extracted from whole bacilli by chloroform/methanol (2:1) extraction in an equal volume of Tris-EDTA buffer. Cell lipids were removed and the delipidated cells were treated with sodium dodecyl sulphate and Proteinase K. Genomic DNA was isolated from contaminating proteins and polysaccharides by organic extraction and precipitation with isopropanol, respectively.<sup>1</sup>

#### Material Provided:

Each vial of NR-19352 contains approximately 2 µg of lyophilized genomic DNA in Tris-EDTA buffer.

Note: Genomic DNA can be reconstituted in distilled water.

#### Packaging/Storage:

NR-19352 was packaged aseptically in plastic tubes. The product is provided frozen and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

#### Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Mycobacterium leprae*, Strain Thai-53, NR-19352.”

#### Biosafety Level: 2

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](http://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 Mycobacteria.” [Methods Mol. Biol.](#) 101 (1998): 31-44. PubMed: 9921467.

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