Genomic DNA from *Mycobacterium leprae*, Strain NHDP

**Catalog No. NR-19350**
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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-19350 is a preparation of genomic DNA from *Mycobacterium leprae* (M. leprae), strain NHDP whole cells derived from infected armadillo liver and spleen tissue. DNA was extracted from whole bacilli with sodium dodecyl sulphate, Proteinase K and lysozyme, followed by freeze-fracture to disrupt the cell membrane. Extracted DNA was purified by phenol-chloroform-isoamyl alcohol (25:24:1) and chloroform-isoamyl alcohol (24:1) to remove contaminating proteins and polysaccharides. Genomic DNA was precipitated with isopropanol.

**Material Provided:**
Each vial of NR-19350 contains approximately 2 µg of lyophilized genomic DNA from *M. leprae* in TE buffer (10 mM Tris-HCl, 1 mM EDTA buffer, pH 8).

**Note:** Genomic DNA can be reconstituted in distilled water.

**Packaging/Storage:**
NR-19350 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 NHDP, NR-19350.”

**Biosafety Level:** 2

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**References:**

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