

***Mycobacterium leprae*, Strain NHDP,
Gamma-Irradiated Whole Cells
(Lyophilized)**

Catalog No. NR-19326

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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-19326 is a preparation of purified *Mycobacterium leprae* (*M. leprae*), strain NHDP whole cells derived from infected armadillo liver and spleen tissue. The cells are inactivated by gamma irradiation using a Cs source with delivery of 1.44 to 2.4 MRad of ionization radiation (dose range is provided due to variation across the sample chamber).

Material Provided:

Each vial contains approximately 10 mg of lyophilized gamma-irradiated whole cells from *M. leprae*, strain NHDP.

Note: Irradiated cells can be reconstituted in water.

Packaging/Storage:

NR-19326 was packaged aseptically in cryovials. 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 the BEI Resources, NIAID, NIH: *Mycobacterium leprae*, Strain NHDP, Gamma-Irradiated Whole Cells (Lyophilized), NR-19326.”

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Cole, S. T., et al. “Massive Gene Decay in the Leprosy Bacillus.” Nature 409 (2001): 1007-1011. PubMed: 11234002.

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