Product Information Sheet for NR-19351

Genomic DNA from *Mycobacterium leprae*, Strain Br4923

**Catalog No. NR-19351**
This reagent is the tangible property of the U.S. Government.

**For research use only. Not for use in humans.**

**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-19351 is a preparation of genomic DNA from *Mycobacterium leprae* (*M. leprae*), strain Br4923 whole cells derived from infected armadillo liver and spleen tissue. DNA was extracted from whole bacilli by treatment 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-19351 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-19351 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 Br4923, NR-19351.”

**Biosafety Level:** 2

**Disclaimers:**
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. This material may be subject to third party patent rights.

**References:**

ATCC® is a trademark of the American Type Culture Collection.

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

© 2010/2013/2015/2018/2019/2021 American Type Culture Collection (ATCC). All rights reserved.