**Product Information Sheet for NR-19332**

**Mycobacterium leprae Total Lipids**

**Catalog No. NR-19332**
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-19332 is a preparation of the total cellular lipids of *Mycobacterium leprae* (M. leprae), including those with known biological activities, including phenolic glycolipid I (PGL-I), II and III and dimycocerosate (DIM). The cellular lipids were extracted from a pool of armadillo-derived purified liver and spleen whole cells with 5 mL of chloroform/methanol (2:1) per 200 mg of cells at 55°C for 18 hours. Cells were removed by filtration and contaminating hydrophilic molecules were removed by biphasic partitioning with water (Folch wash). The organic phase of the Folch wash was collected and dried.

**Material Provided:**
Each vial contains approximately 500 µg of dried total lipids pooled from up to three different strains of *M. leprae*. Please refer to the Certificate of Analysis for information regarding the specific strains used in the production of each lot.

**Note:** Total lipid is soluble in chloroform/methanol (2:1). Chloroform or DMSO can also be used depending on the downstream application.

**Packaging/Storage:**
NR-19332 was packaged aseptically in glass vials. The product is provided at room temperature and should be stored at room temperature in a dry atmosphere immediately upon arrival.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycobacterium leprae* Total Lipids, NR-19332.”

**Biosafety Level:** 1

**Disclaimers:**
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**References:**

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