**Mycobacterium leprae** Cell Wall Core (mAGP)

**Catalog No. NR-19349**

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**For research use only. Not for human use.**

**Contributor:**
BEI Resources

**Manufacturer:**
Karen Dobos, PhD., Colorado State University, Fort Collins, Colorado, USA

**Product Description:**
NR-19349 is a preparation of the mycolylarabinogalactan-peptidoglycan (mAGP) complex of *Mycobacterium leprae* (*M. leprae*) extracted from a pool of infected armadillo liver and spleen tissue.

The cell wall was isolated from *M. leprae* whole cell sonicate by centrifugation at 27,000 x g for one hour to obtain the cell wall pellet. The pellet was suspended in PBS with 2% SDS and the cell wall-associated proteins and lipoglycans were removed. Residual proteins were removed by further SDS extractions and proteinase-K treatment followed by multiple extractions with boiling SDS. The resulting mAGP was washed several times with water, and residual SDS was removed by extraction with large volumes of acetone.

**Material Provided:**
Each vial contains approximately 2 mg of lyophilized mAGP 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: mAGP can be reconstituted in either phosphate buffered saline or water. mAGP is poorly soluble and sonication is generally required to achieve a uniform suspension.

**Packaging/Storage:**
NR-19349 was packaged aseptically in cryovials. The product should be stored at room temperature 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: *Mycobacterium leprae* Cell Wall Core (mAGP), NR-19349.”

**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


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**References:**

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