

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Lipoarabinomannan (LAM)****Catalog No. NR-14848**

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**Product Description:**

NR-14848 is a preparation of the lipoarabinomannan (LAM) derived from the cell wall of irradiated *Mycobacterium tuberculosis*, strain H37Rv. LAM possesses many biological activities including immunogenicity, induction of TNF and the release of other cytokines, and inhibition of antigen processing. The nonreducing termini of H37Rv LAM are extensively capped with mannose.

**Lot: 70054809****Manufacturing Date: 02NOV2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 22.Rv.11.02.LAM is attached.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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**WORK SHEET FOR LIPOARABINOMANNAN**

**General Information**

BEI Catalog Number: NR-14848  
CSU Lot Number: 22.Rv.11.02.LAM  
Species: *Mycobacterium tuberculosis*  
Strain: H37Rv

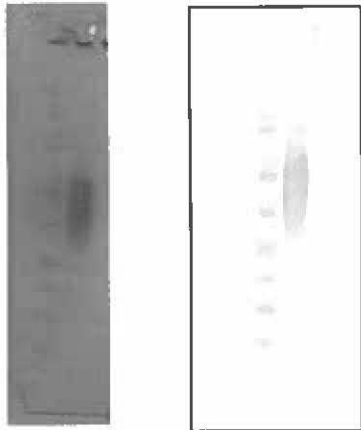
**Purification Information**

Starting material (lot #): Pooled cells (Danny Hesser, Notebook #10, pg 1-3). See additional notes below  
Cells Irradiated: Yes  
Viability Test Performed: No Viable Organism Detected  
Cell amount (wet weight): ~39.8 g delipidated cells (from approximately 340 g wet weight of cells)  
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3  
Date started: 08/04/2022  
Date completed: 11/02/22  
Notebook; pages Megan Stookey NB 1 pg. 57-100 and Megan Stookey NB 2 pg. 1- 25  
Additional notes (if applicable): A large pool of irradiated cells was delipidated and used for starting material. Approximately 1/9 of the total amount of cells (420 g delipidated cells total) was separated for this batch of product

**Quality Control Information**

NMR results: Pass Notebook and page(s): Megan Stookey Notebook 2 pg. 3  
Endotoxin assay used: EndoZyme II  
Endotoxin amount: 1.77ng/mg Notebook and page(s): Megan Stookey Notebook 2 pg. 1-2, 14  
GC results: 3.879mg/ml Notebook and page(s): Megan Stookey Notebook 2 pg. 16  
Total amount of LAM: 14.446 mg  
Silver stain date: 10/26/22 Notebook and page(s): Megan Stookey Notebook 2 pg. 14  
Western blot date: 10/27/22 Antibody used: CS-35 Notebook and page(s): Megan Stookey Notebook 2 pg. 17  
Amount Loaded on gels: 3 µg

**QC Gel and Blot:**



**Aliquot Information:**  
28 x 0.5mg aliquots  
1 x 0.446 mg aliquots

Megan Hesser 11/15/22  
Research Associate Date

RH Staudenmaier 11/10/22  
Laboratory Supervisor Date