**Mycobacterium tuberculosis**, Strain H37Rv, Purified Lipoarabinomannan (LAM)

**Catalog No. NR-14848**

This reagent is the tangible property of the U.S. Government.

**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:** 70005733  
**Manufacturing Date:** 05JUN2017

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.6.5.JMR.ManLAM 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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General Information

BEI Catalog Number: NR-14848
CSU Lot Number: 17.Rv.6.5.JMR.ManLAM
Species: Mycobacterium tuberculosis
Strain: H37Rv

Purification Information

Starting material (lot #): 14.Rv.2.6.24.5.WCA
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): 72.9
Protocol used (SOP #): PP015.5, PP016.6, PP017.3
Date started: 02/09/2017
Date completed: 06/05/2017
Notebook; pages: LLP#1 KN, JR, JB pgs 14, 15, 22, 23, 26-30
Additional notes (if applicable): N/A

Quality Control Information

NMR results: pass
Endotoxin amount: 0.12 ng/mg
GC Results: 3.25 mg/ml
Total amount of LAM: 30.0 mg
Silver stain date: 06/02/17
Western blot date: 06/05/17
Notebook and page(s): LLP#1 KN, JR, JB p27
Notebook and page(s): LLP#1 KN, JR, JB p30
Notebook and page(s): LLP#1 KN, JR, JB p29
Notebook and page(s): LLP#1 KN, JR, JB p30
Antibody used: CS35
Notebook and page(s): LLP#1 KN, JR, JB p30

QC Gel and Blot:

Aliquot Information: 58 x 0.5 mg

[Signature] 4/13/18 (Research Associate)  
[Signature] 4/26/18 (Laboratory Supervisor)