

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: 70058655**Manufacturing Date: 18FEB2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 23.Rv.2.18.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: 23.Rv.2.18.LAM
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

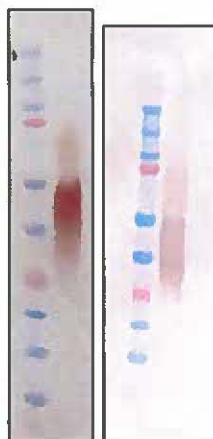
Purification Information

Starting material (lot #): 18.Rv.2.6.13.11.WC.g.b
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): -89.9 g
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 12/05/22
Date completed: 02/18/23
Notebook; pages Megan Stookey NB 2 pg. 36-67
Additional notes (if applicable):

Quality Control Information


NMR results: Pass Notebook and page(s): Megan Stookey Notebook 2 pg. 63
Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.198ng/mg Notebook and page(s): Megan Stookey Notebook 2 pg. 64
GC results: 4.908mg/ml Notebook and page(s): Megan Stookey Notebook 2 pg. 67
Total amount of LAM: 16.098 mg
Silver stain date: 02/18/23 Notebook and page(s): Megan Stookey Notebook 2 pg. 67
Western blot date: 02/13/23 Antibody used: CS-35 Notebook and page(s): Megan Stookey Notebook 2 pg. 67
Amount Loaded on gels: 3 µg

QC Gel and Blot:



Aliquot Information:

32 x 0.5mg aliquots
1 x 0.098 mg aliquots


Research Associate

2/21/23
Date


Laboratory Supervisor

2/21/23
Date