

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: 70045513**Manufacturing Date: 07SEP2021**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 21.Rv.09.07.LAM.A 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: 21.Rv.09.07.LAM.A
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

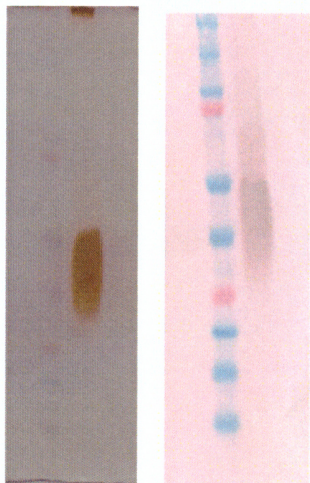
Purification Information

Starting material (lot #): 18.RV.2.1.17.8.WCg.a
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): 72.1g
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 6/12/2021
Date completed: 9/07/2021
Notebook; pages: Danara Flores, BEI Notebook #5, pg 34-70.
Additional notes (if applicable): : Purification was changed from using Sephacryl-200 and Sephacryl-100 columns in tandem to using a Superdex 75pg and Sephacryl-100 in tandem

Quality Control Information

NMR results: <u>Pass</u>	Notebook and page(s): <u>Danara Flores BEI Notebook5 pg. 57</u>
Endotoxin assay used: <u>EndoZyme II</u>	
Endotoxin amount: <u>0.48ng/mg</u>	Notebook and page(s): <u>Danara Flores BEI Notebook5 pg.68-69</u>
GC results: <u>2.128 mg/ml</u>	Notebook and page(s): <u>Danara Flores BEI Notebook5 pg. 64</u>
Total amount of LAM: <u>10 mg</u>	
Silver stain date: <u>9/2/21</u>	Notebook and page(s): <u>Danara Flores BEI Notebook5 pg 65</u>
Western blot date: <u>9/7/2021</u> Antibody used: <u>CS-35</u>	Notebook and page(s): <u>Danara Flores BEI Notebook5 pg 65</u>
Amount Loaded on gels: <u>3 µg</u>	

QC Gel and Blot:



Aliquot Information:

20 X 0.5mg BEI labeled Aliquots

Danara Flores 9/7/21
Research Associate Date

[Signature] 9/7/21
Laboratory Supervisor Date