

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: 62976488**Manufacturing Date: 31MAR2016**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 16.Rv.4.01.DMH.ManLAM.a is attached.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14848
CSU Lot Number: 16.Rv.4.01.DMH.ManLAM.a
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

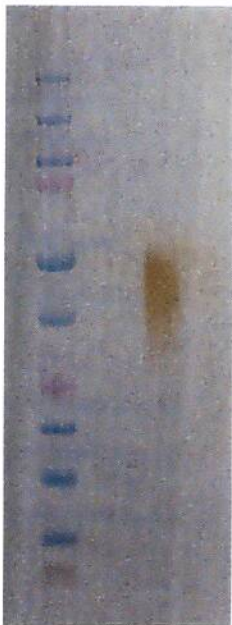
Purification Information

Starting material (lot #): 14.Rv.2.6.10.4.WCg.a
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): 99.5 g
Protocol used (SOP #): PP015.3, PP016.5, PP017.2,
Date started: 10/30/15
Date completed: 03/31/16
Notebook; pages: DMH 3 p.25-93, DMH 4 p.1-5
Additional notes (if applicable): N/A

Quality Control Information


NMR results: <u>pass</u>	Notebook and page(s): <u>DMH 3 p.81</u>
Endotoxin amount: <u>3.5 ng/mg</u>	Notebook and page(s): <u>DMH 4 p.3</u>
GC Results: <u>1.45 mg/ml</u>	Notebook and page(s): <u>DMH 4 p.2</u>
Total amount of LAM: <u>26.5 mg</u>	
Silver stain date: <u>03/31/16</u>	Notebook and page(s): <u>DMH 4 p.3</u>
Western blot date: <u>03/31/16</u>	Antibody used: <u>CS35</u> Notebook and page(s): <u>DMH 4 p.3</u>

QC Gel and Blot:



Aliquot Information:

53 vials @ 500 ug
26500 ug total


(Research Associate) (date)


(Laboratory Supervisor) 4-4-16
(date)