

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: 70053425**Manufacturing Date: 25JUL2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 22.Rv.07.25.LAM is attached.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14848
CSU Lot Number: 22.Rv.07.25.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): ~46.7 g delipidated cells (from approximately 340 g wet weight of cells)
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 5/24/2022
Date completed: 07/25/2022
Notebook; pages Megan Stookey NB 1 pg. 1-50
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 1 pg: 39
Endotoxin assay used: EndoZyme II Notebook and page(s): Megan Stookey Notebook 1 pg: 50
Endotoxin amount: 0.229ng/mg Notebook and page(s): Megan Stookey Notebook 1 pg: 47
GC results: 5.549 mg/ml
Total amount of LAM: 28.993 mg Notebook and page(s): Megan Stookey Notebook 1 pg: 50
Silver stain date: 07/20/2022 Notebook and page(s): Megan Stookey Notebook 1 pg: 50
Western blot date: 7/20/22 Antibody used: CS-35
Amount Loaded on gels: 3 µg

QC Gel and Blot:



Aliquot Information:

57 x 0.5mg aliquots
1 x 0.493 mg Aliquots

Megan Stookey 07/26/22
Research Associate Date

PA Staudenroder 7/26/22
Laboratory Supervisor Date