

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Lipomannan (LM)**

Catalog No. NR-14850

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

Product Description: NR-14850 is a preparation of the lipomannan (LM) derived from the cell wall of irradiated *Mycobacterium tuberculosis*, strain H37Rv.

Lot: 70005724

Manufacturing Date: 04DEC2018

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.Rv.2.12.4.LM is attached.

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WORK SHEET FOR LIPOMANNAN

General Information

BEI Catalog Number: NR-14850
CSU Lot Number: 18.Rv.2.12.4.LM
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

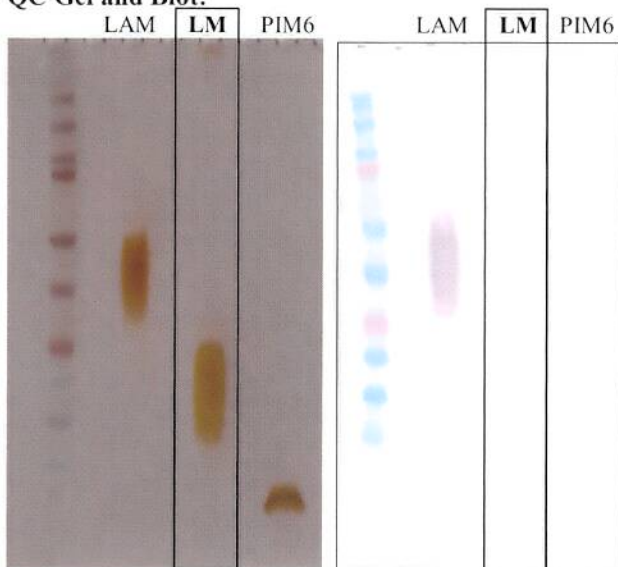
Purification Information

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): 35 g delipidated cells (from approximately 250 g wet weight of cells)
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 3 / 16 / 2018
Date completed: 12 / 4 / 2018
Notebook; pages: Danara Flores, Notebook #1, pg 18-27, Megan Lucas, BEI Production Notebook #4, pg 1-23
Additional notes (if applicable): A large pool of irradiated cells was delipidated and used for starting material. Approximately 1/12 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): MCL, BEI Production #4, pg 13
Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.386 ng/mg Notebook and page(s): MCL, BEI Production #4, pg 20
GC Results: 4.313 mg/ml Notebook and page(s): MCL, BEI Production #4, pg 17
Total amount of LM: 12 mg
Silver stain date: 11 / 27 / 2018 Notebook and page(s): MCL, BEI Production #4, pg 18
Western blot date: 11 / 27 / 2018 Antibody used: CS-35 Notebook and page(s): MCL, BEI Production #4, pg 18

QC Gel and Blot:



Aliquot Information:

85 x 100 µg
7 x 500 µg

Mg Lu
(Research Associate)

12-6-18
(date)

C. Lehaffy
(Laboratory Supervisor)

12-6-18
(date)