

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: 70080984**Manufacturing Date: 19FEB2026**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 26.Rv.02.19.LM is attached.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14850
Lot Number: 70080984
CSU Lot Number: 26. Rv.02.19. LM
Species: Mycobacterium tuberculosis
Strain: H37Rv

Purification Information

Starting material (lot #): 18. Rv.8.8.9. WCg.b (M.Stookey, Notebook #4, pg 21 and 31).
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): ~59.2g
Protocol used (SOP #): PP015.7, PP016.9, and PP017.4
Date started: 12/16/2025
Date completed: 02/19/2026
Notebook; pages Megan Stookey NB#4 pgs. 21, 25, 26-29, 31, Eric Osei NB#1, pgs. 50-60
Additional notes (if applicable): LM purity confirmed by GC, NMR, Western blot and silver stain.

Quality Control Information

NMR results: Pass
Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.006 ng/mg
GC results: 17.655 mg/ml
Total amount of LM: 51.20 mg
Silver stain date: 2/18/2026
Western blot date: 2/19/2026
Antibody used: CS-35
Amount Loaded on gels: 3 µg

Notebook and page(s): Eric Osei NB#1, pgs. 52-53

Notebook and page(s): Eric Osei NB#1, pgs. 50, 55

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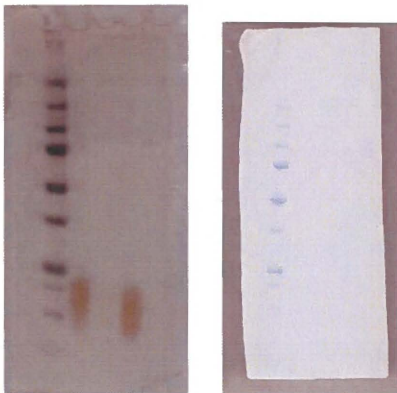
Notebook and page(s): Eric Osei NB#1, pgs. 57

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QC Gel and Blot:

Silver

CS-35



Aliquot Information:

*Aliquot information reflects those made at the time of QC. Bulk aliquots will be broken down as needed.

25 vials x 0.1 mg

Eric Osei
Research Associate

02/19/2026
Date

[Signature]
Laboratory Supervisor

02/23/26
Date