

Mycobacterium tuberculosis*, Strain H37Rv, Purified Lipomannan (LM)*Catalog No. NR-14850**

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Product Description:

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

Lot: 70037071**Manufacturing Date: 19OCT2020**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 20.Rv.10.19.LM is attached.

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WORK SHEET FOR LM

General Information

BEI Catalog Number: NR-14850
CSU Lot Number: 20.Rv.10.19. 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): ~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: 7/01/2020
Date completed: 10 / 19 / 2020
Notebook; pages: Danara Flores, Notebook #1, pg 18-27, Danara Flores BEI Notebook3 pg:121-144
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: <u>pass</u>	Notebook and page(s): <u>DF NB 3 pg.135</u>
Endotoxin amount: <u>0.202 ng/mg</u>	Notebook and page(s): <u>DF NB3 pg.139-143</u>
GC Results: <u>3.964 mg/ml</u>	Notebook and page(s): <u>DF NB3 pg.142</u>
Total amount of LM: <u>27.5 mg</u>	
Silver stain date: <u>10/08/20</u>	Notebook and page(s): <u>DF NB 3 pg. 144</u>
Western blot date: <u>10/08/20</u>	Notebook and page(s): <u>DF NB 3 pg. 144</u>
Antibody used: <u>CS35</u>	

QC Gel:



Anti-LAM WB showing no LAM

Aliquot Information:

75 x 0.1 mg
20 x 1 mg

Danara Flores 11/3/20
(Research Associate) (date)

C. Mahaffy 11/3/20
(Laboratory Supervisor) (date)