

Mycobacterium tuberculosis*, Strain H37Rv, Purified Phosphatidylinositol Mannoside 6 (PIM₆)*Catalog No. NR-14847**

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Product Description:

NR-14847 is a preparation of the purified phosphatidylinositol mannoside 6 (PIM₆) cell wall glycolipids of irradiated *Mycobacterium tuberculosis*, strain H37Rv. The soluble organic fraction was extracted from irradiated cells, dried and titrated with cold acetone. The acetone-insoluble fraction was then applied to preparative thin-layer chromatography plates. PIMs were purified from the dried matrix using 40% methanol in chloroform.

Lot: 70037069**Manufacturing Date: 29OCT2020**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 20.Rv.10.28.PIM6 is attached.

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WORK SHEET FOR PURIFIED PIM6

General Information

BEI Catalog Number: NR-14847
CSU Lot Number: 20.Rv.10.28.PIM6
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

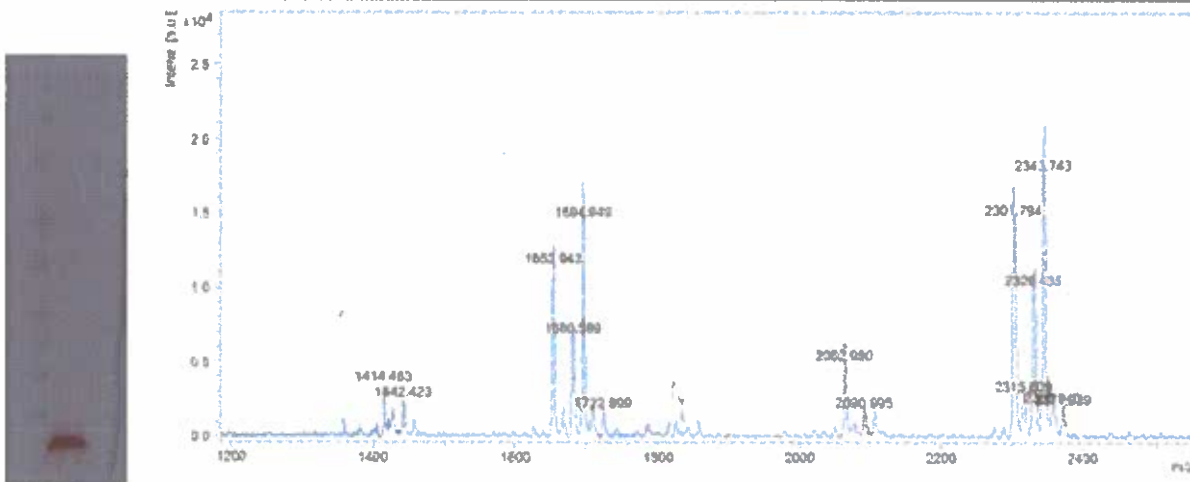
Purification Information

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: 7/01/20
Date completed: 10/29/2020
Notebook; pages: Danara Flores, Notebook #3, pg 121-150
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

Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.068ng/mg Notebook and page(s): DF, BEI Production #3, pg 140
GC Results: 3.288 mg/ml Notebook and page(s): DF, BEI Production #4, pg 150
Total amount of PIM6: 18 mg
Silver stain date: 10/28/20 Notebook and page(s): DF, BEI Production #4, pg 150

QC Gel and Blot:



Note: contains trace amounts of PIM1,2, still meets QC standards

Aliquot Information:

48 x 250 µg
3 x 2 mg

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

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