

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: 70021814**Manufacturing Date: 11MAR2019**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 19.Rv.2.3.11.b.PIM₆ is attached.

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WORK SHEET FOR PURIFIED PIM6

General Information

BEI Catalog Number: NR-14847
CSU Lot Number: 19.Rv.2.3.11.b.PIM6
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

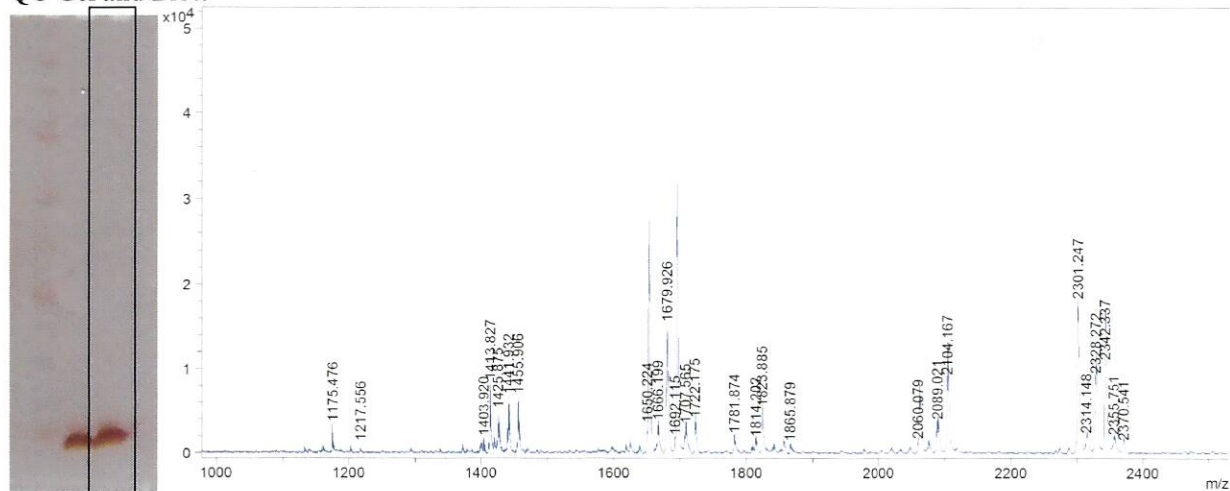
Purification Information

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): 52 g delipidated cells (from approximately 370 g wet weight of cells)
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 12 / 3 / 2018
Date completed: 3 / 11 / 2019
Notebook; pages: Danara Flores, Notebook #1, pg 18-27, Megan Lucas, BEI Production #4, pg 26-34 & 59-65
Additional notes (if applicable): A large pool of irradiated cells was delipidated and used for starting material. Approximately 1/8 of the total amount of cells (420 g delipidated cells total) was separated for this batch of product. Two separate lots of PIM6 resulted from purification. Final product was resuspended in 25% acetonitrile which was removed by freeze-drying.

Quality Control Information

Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.29 ng/mg Notebook and page(s): MCL, BEI Production #4, pg 64
GC Results: 1.705 mg/ml Notebook and page(s): MCL, BEI Production #4, pg 60
Total amount of PIM6: 12.05 mg
Silver stain date: 3 / 7 / 2019 Notebook and page(s): MCL, BEI Production #4, pg 63

QC Gel and Blot:



Aliquot Information:

48 x 250 µg
1 x 50 µg


(Research Associate)

3-11-19
(date)


(Laboratory Supervisor)

3-12-19
(date)