

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: 70045512**Manufacturing Date: 25FEB2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 22.Rv.4.25.PIM6 is attached.

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WORK SHEET FOR PURIFIED PIM6

General Information

BEI Catalog Number: NR-14847
CSU Lot Number: 22.RV.4.25.PIM6
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

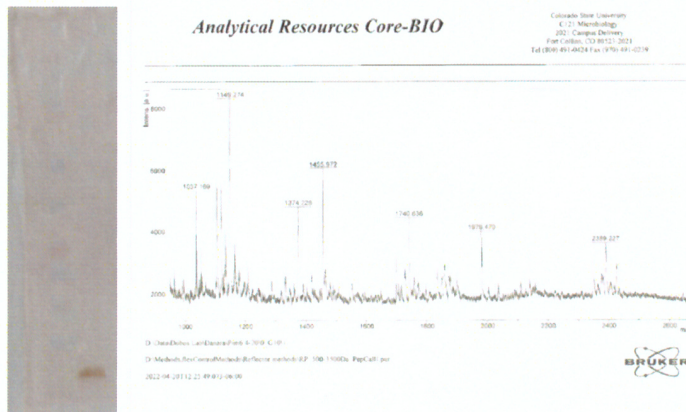
Purification Information

Starting material (lot #): 18.RV.2.2.28.11.WCg.a
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell Amount (wet weight): 67.1g
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 2/8/2022
Date completed: 2/25/2022
Notebook; pages: Danara Flores, BEI Notebook 6, pages 18-20,33,53-55,61-66
Additional notes (if applicable): Purification was changed from using Sephacryl-200 and Sephacryl-100 columns in tandem to using a Superdex 75pg and Sephacryl-100 in tandem

Quality Control Information

Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.61ng/mg Notebook and page(s): DF, BEI Production NB6 pg.64
GC Results: 1.050 mg/ml Notebook and page(s): DF, BEI Production NB6 pg.65
Total amount of PIM6: 2.105 mg
Silver stain date: 4/25/2022 Notebook and page(s): DF, BEI Production NB6 pg. 66


QC Gel and Maldi:



***trace amounts of PIM1,2

Aliquot Information:

8 X 250 µg Aliquots
1 X 105 µg Aliquot


(Research Associate) 4/26/2022
(date)


(Laboratory Supervisor) 4/26/22
(date)