

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: 70049064**Manufacturing Date: 25JUL2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 22.Rv.07.25.PIM6 is attached.

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WORK SHEET FOR PURIFIED PIM6

General Information

BEI Catalog Number: NR-14847
CSU Lot Number: 22.Rv.07.25.PIM6
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

Purification Information

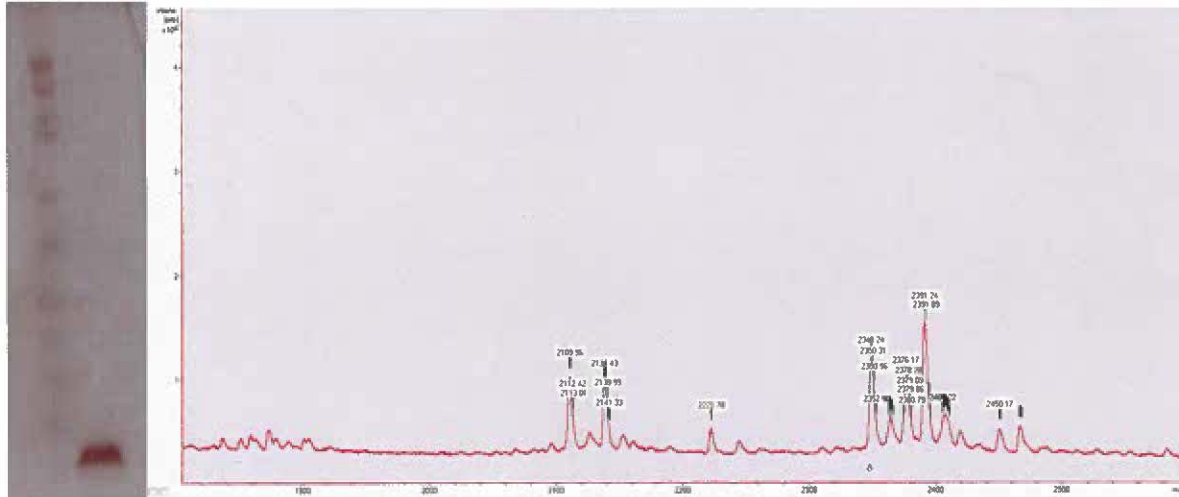
Starting material (lot #): Pooled cells (Danny Hesser, Notebook #10, pg 1-3). See additional notes below
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): ~46.7 g delipidated cells (from approximately 340 g wet weight of cells)
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 05/24/22
Date completed: 07/25/22
Notebook; pages: Megan Stookey NB 1: pgs 1-50
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: (below limit of detection)
GC Results: 1.475mg/ml
Total amount of PIM6: 4.74mg
Silver stain date: 7/20/22
Amount on gel: 3 µg
MALDI Date: 07/24/22

Notebook and page(s): Megan Stookey NB1; pg 50
Notebook and page(s) Megan Stookey NB1; pg 47
Notebook and page(s): Megan Stookey NB1; pg 50
Notebook and page(s): Megan Stookey NB1; pg 49

QC Gel and Blot:



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

Aliquot Information:

18 x 250 µg
1 x 0.24 mg

Megan Stookey 07/26/22
(Research Associate) (date)

Dr. Staudenmaier 7/26/22
(Laboratory Supervisor) (date)