

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

This reagent is the tangible property of the U.S. Government.

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: 70034341**Manufacturing Date: 18NOV2021**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 21.Rv.11.18.PIM6 is attached.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



WORK SHEET FOR PURIFIED PIM6

General Information

BEI Catalog Number: NR-14847
CSU Lot Number: 21.Rv.11.18.PIM6
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

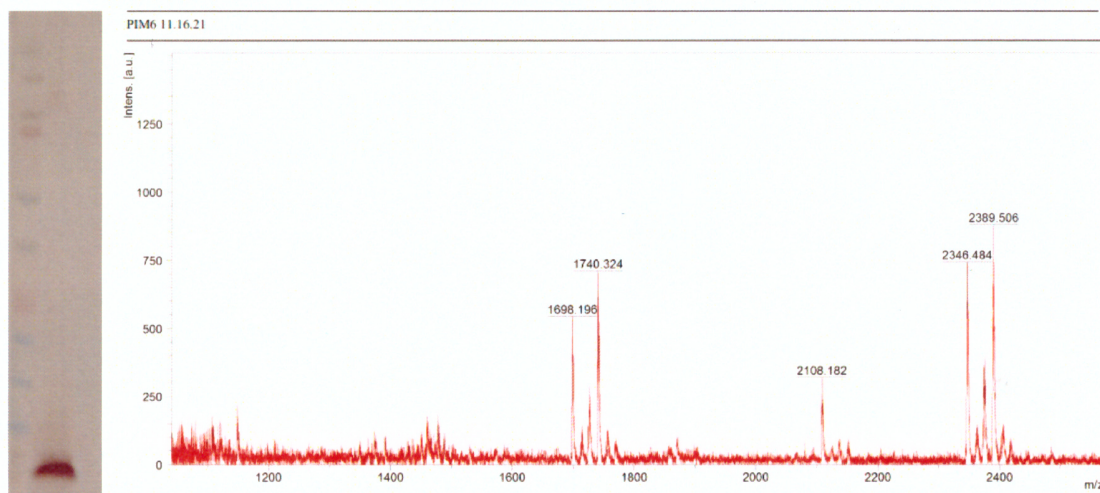
Purification Information

Starting material (lot #): PIM6 pools
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3
Date started: 6/12/2021
Date completed: 11/18/2021
Notebook; pages: Danara Flores from DF, BEI NB#3 pg. 1-8 and DF, BEI NB#5 pg. 37-78, 87-90,94-100
Additional notes (if applicable): N/A

Quality Control Information

Endotoxin assay used: EndoZyme II
Endotoxin amount: 0.609ng/mg Notebook and page(s): DF, BEI Production NB#5, pg 99
GC Results: 0.946 mg/ml Notebook and page(s): DF, BEI Production NB#5, pg 90
Total amount of PIM6: 3.49 mg
Silver stain date: 11/18/24 Notebook and page(s): DF, BEI Production NB#5, pg 100

QC Gel and Blot:



Aliquot Information:

13 x 250 μ g
1 x 240 μ g

Danara Flores 3/22/22
(Research Associate) (date)

C. McHappy 3/23/22
(Laboratory Supervisor) (date)