

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Phosphatidylinositol Mannoside 6 (PIM<sub>6</sub>)****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 (PIM<sub>6</sub>) 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: 70054808****Manufacturing Date: 02NOV2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 22.Rv.11.02.PIM6 is attached.

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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: 22.Rv.11.02.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): ~39.8 g delipidated cells (from approximately 340 g wet weight of cells)  
Protocol used (SOP #): PP015.6, PP016.6, and PP017.3  
Date started: 08/04/22  
Date completed: 11/02/22  
Notebook; pages: Megan Stookey NB 1 pg. 57-100 and Megan Stookey NB 2 pg. 1- 25  
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

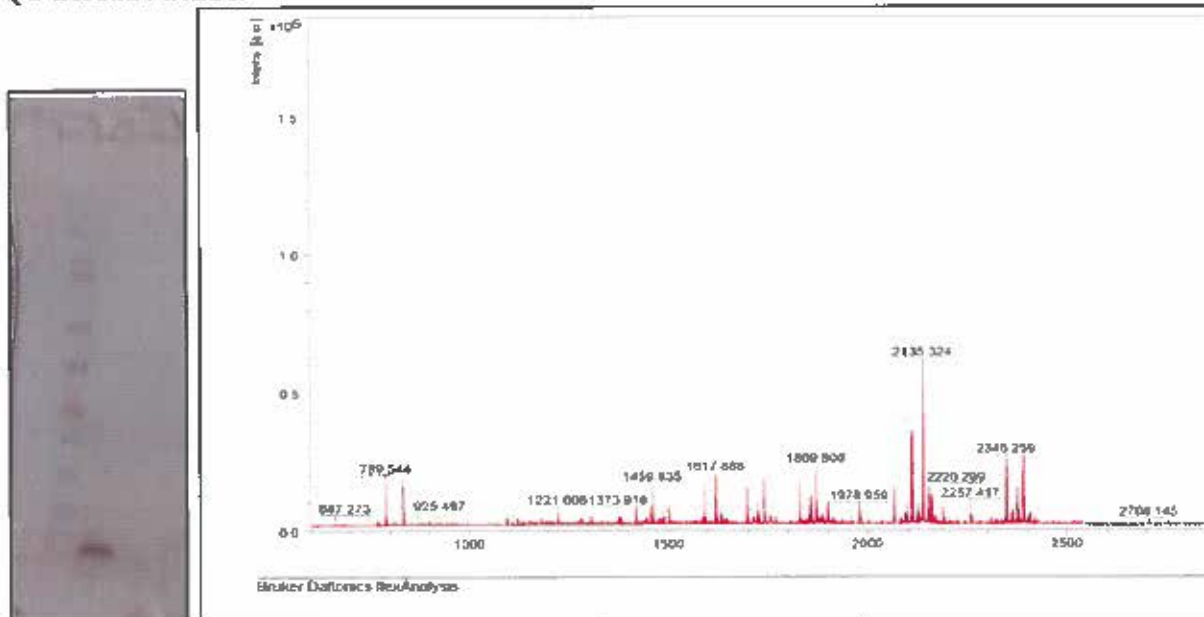
Endotoxin assay used: EndoZyme II  
Endotoxin amount: 0.10 ng/mg  
GC Results: 5.281 mg/ml  
Total amount of PIM6: 18.30 mg  
Silver stain date: 07/27/22  
Amount on gel: 3 µg  
MALDI Date: 10/18/22

Notebook and page(s): Megan Stookey Notebook 2 pg. 1-2, 14  
Notebook and page(s): Megan Stookey Notebook 2 pg. 16

Notebook and page(s): Megan Stookey Notebook 2 pg. 17

Notebook and page(s): Megan Stookey Notebook 2 pg. 4

### QC Gel and MALDI:

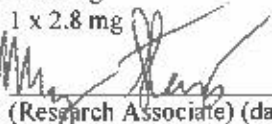


### Aliquot Information:


2 x 0.25 mg

3 x 5 mg

1 x 2.8 mg

  
(Research Associate) (date)

11/16/22

  
(Laboratory Supervisor) (date)