

***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: 70009918****Manufacturing Date: 18MAY2018**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.Rv.5.18.JMR.PIM<sub>6</sub> 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

Lot Number: 18.Rv.5.18.JMR.PIM6  
Species: *Mycobacterium tuberculosis*  
Strain: H37Rv

### Purification Information

Starting material (lot #): 14.Rv.2.4.10.4.wcg.C  
Cell amount (wet weight): 84.3  
Protocol used (SOP #): PP015.5, PP016.6, PP017.3  
Date started: 06/02/2017  
Date completed: 05/18/2018  
Notebook; pages: LLP#1 KN.JR.JB pgs 33-41, 71, 73-75  
Additional notes (if applicable): Endotoxin calculation error resulted in delay of QC. 0.25ug crystallized for MALDI-TOF which shows diacylated, triacylated, and tetraacylated PIM6.

### Quality Control Information

Clarity of product: Clear  
Endotoxin amount: 2.28 ng/mg Notebook and page(s): LLP#1 KN, JR, JB p71  
GC Results: 0.13mg/ml Notebook and page(s): LLP#1 KN, JR, JB p40  
Total amount of PIM6: 2.25mg  
Silver stain date: 05/18/18 Notebook and page(s): LLP#1 KN, JR, JB p73

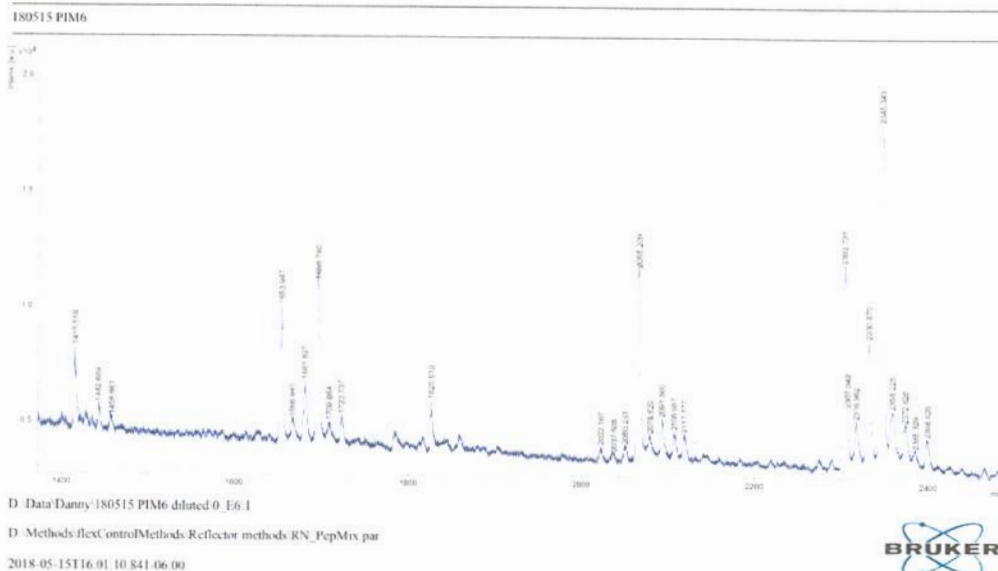
### QC Silver Stain and MALDI-TOF:

5ug loaded



### Proteomics and Metabolomics Facility

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### Aliquot Information:

9 vials @ 250ug

Joan M. Ryan  
(Research Associate)

05/21/2018  
(date)

C. Lehaffy  
(Laboratory Supervisor)

5/21/18  
(date)