

***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: 62795341****Manufacturing Date: 26AUG2014**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for lot 14.Rv.8.26.DMH.PIM<sub>6</sub>.a is attached.

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> 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

Lot Number: 14.Rv.8.26.DMH.PIM6.a  
Species: *Mycobacterium tuberculosis*  
Strain: H37Rv

### Purification Information

Starting material (lot #): 13.Rv.2.5.28.7.WCg  
Cell amount (wet weight): 87.2g  
Protocol used (SOP #): PP015.3, PP016.4, PP017.2,  
Date started: 05/02/14  
Date completed: 08/26/2014  
Notebook; pages: DMH 1 p. 3-47  
Additional notes (if applicable): A small amount of glacial acetic acid was added to half of the HPLC to help resububilize the pellet.

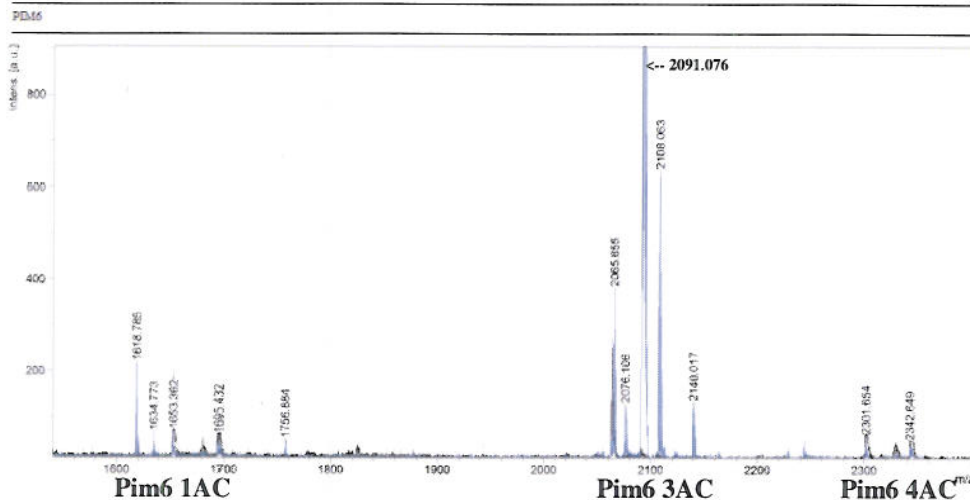
### Quality Control Information

Endotoxin amount: <0.1 ng/mg Notebook and page(s): DMH 1 p. 42  
GC Results: 1.6856 mg/ml Notebook and page(s): DMH 1 p. 26-27  
Silver stain date: 08/13/14 Notebook and page(s): DMH 1 p. 43  
Clarity of product: slightly cloudy Total amount of PIM6: 5.0566 mg

### QC MALDI-TOF and Silver Stain:

#### Proteomics and Metabolomics Facility

Colorado State University  
C121 Microbiology  
2021 Campus Delivery  
Fort Collins, CO 80523-2021  
Tel (800) 491-0424 Fax (970) 491-0239




### Aliquot Information:

20 vials @ 250µg  
1 vial @ 56.6 µg  
5056.6 µg total

  
(Research Associate)

10/22/14  
(date)

  
(Laboratory Supervisor)

10/24/2014  
(date)