

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Phthiocerol Dimycocerosate (PDIM)****Catalog No. NR-20328**

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**Product Description:** NR-20328 is a preparation of phthiocerol dimycocerosate (PDIM) derived from the total cellular lipids of irradiated *Mycobacterium tuberculosis*, strain H37Rv.

**Lot: 62575035****Manufacturing Date: 25SEP2014**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 14.Rv.9.24.02.PDIM is attached.

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## Worksheet for Purified PDIM

### General Information

Lot Number: 14.Rv.9.24.02.PDIM  
Species: *M. tuberculosis*  
Strain: H37Rv

### Purification Information

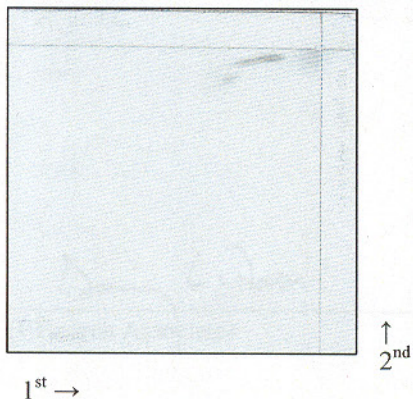
Starting material: 10:10:3 (chloroform/methanol/water) total lipid extract  
Lot number: 13.Rv.2.3.12.8.WCg  
Protocol used (SOP #'s): SP031, SP032, SP033, SP037  
Date started: 8/12/14  
Date completed: 9/25/14  
Notebook; page(s): PDIM Notebook 1 pp 90-95

Notes: Total lipid was dried, resuspended in 2:1 chloroform/methanol, and developed on preparative TLC plates with 98/2 petroleum ether/ethyl acetate, then the top three bands were eluted with 2:1 chloroform/methanol. Lipids were further purified by an additional round of prep plate extractions.

### Quality Control Information:

Total volume: 2.5 ml Total amount of PDIM: 2.5 mg  
Date dried on N<sub>2</sub> bath: 9/25/14  
TLC date: 9/22/14 MALDI date: 9/24/14 Notebook and page(s): PDIM Notebook 1 pp 96-98

### QC TLC:



Loaded 25 ug and ran in dimensions below:

1<sup>st</sup> 98/2 petroleum ether/ethyl acetate (x2)  
2<sup>nd</sup> 98/2 petroleum ether/acetone

### Aliquot Information

0.5 mg x 5 = 2.5 mg



