

Mycobacterium tuberculosis*, Strain H37Rv, Purified Phosphatidylinositol Mannosides 1 & 2 (PIM_{1,2})*Catalog No. NR-14846**

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

Product Description:

NR-14846 is a preparation of the purified phosphatidylinositol mannosides 1 & 2 (PIM_{1,2}) cell wall glycolipids of *Mycobacterium tuberculosis*, strain H37Rv.

Lot: 70000218**Manufacturing Date: 29NOV2016**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 16.Rv.11.11.02.PIM_{1,2} is attached.

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WORK SHEET FOR PURIFIED PIM₁₊₂

General Information

BEI Catalog Number: NR-14846
Lot Number: 16.Rv.11.11.02.PIM_{1,2}
Fraction Type: phosphatidylinositol mannosides 1,2
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

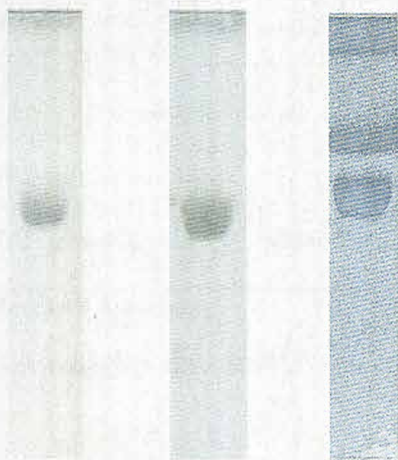
Starting material: 10:10:3 total lipid Starting Material Lot #: 13.Rv.2.5.28.7.WCg
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP026.2, SPO31b, SPO32, SPO33, SPO37, SPO45.2
Date started: 9/28/16
Date completed: 11/29/16
Notebook; page(s): TMM Notebook I pp 91-98 and PIM I pp 35-40

Quality Control Information:

Total amount of PIM_{1,2}: 3.6 mg TLC date: 11/11/16 MALDI-TOF completed: 11/29/16
Notebook and page(s): PIM I pp 41-47 and TMM Notebook I pp 98-99
TLC solvent system: 60:30:6 chloroform/methanol/water

QC TLC:

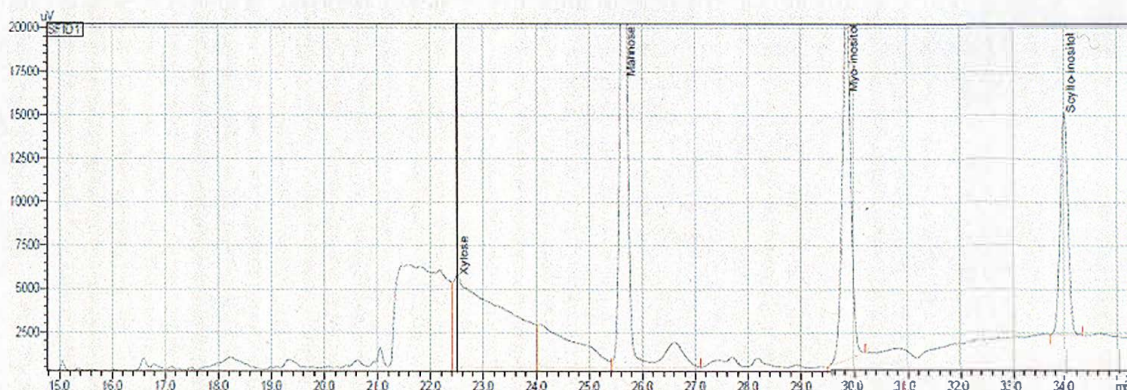
α -naphthol CuSO₄ Dittmer-Lester



Aliquot Information:

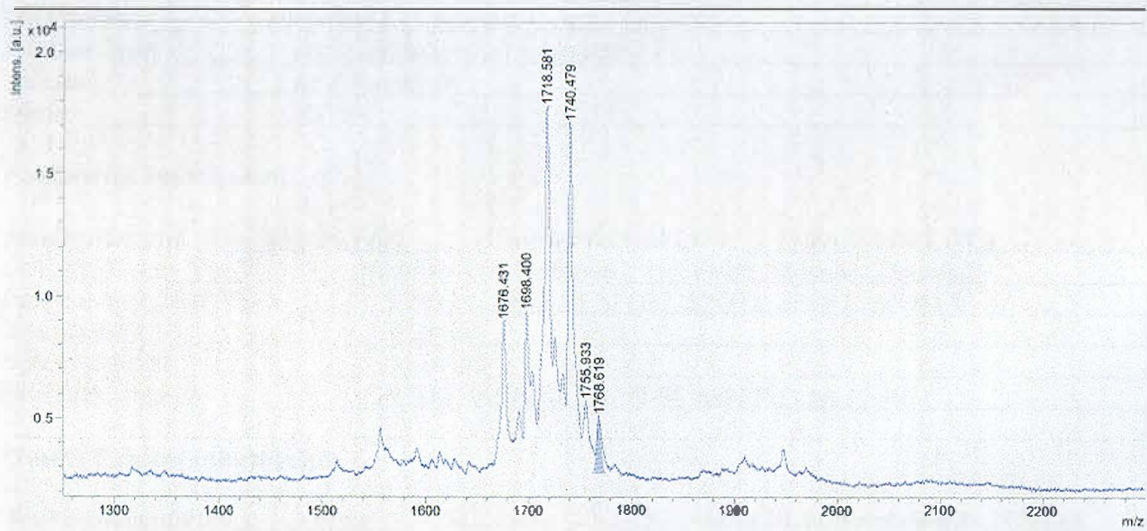
7 x 0.5 mg = 3.5 mg
1 x 0.1 mg = 0.1 mg
3.6 mg

GC trace:



Injected 0.25 µg alditol acetate derivatized PIM_{1,2}.

MALDI-TOF



Analyzed 2.0 ug 16.Rv.11.11.02.PIM_{1,2} with 1.0 ul DHB matrix in positive mode.

Dan C. Larson 2/9/17
(Research Associate) date

updated QC sheet

C. McHappay 2/9/17
(Laboratory Supervisor) date