

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Phthiocerol Dimycocerosate (PDIM)**

Catalog No. NR-20328

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

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

Lot: 63449542

Manufacturing Date: 21AUG2015

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.Rv.8.13.02.PDIM is attached.

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WORK SHEET FOR LIPID FRACTIONS

General Information

BEI Catalog Number: NR-20328
CSU Lot Number: 15.Rv.8.13.02.PDIM
Fraction Type: phthiocerol dimycocerosate
Species: *M. tuberculosis*
Strain: H37Rv

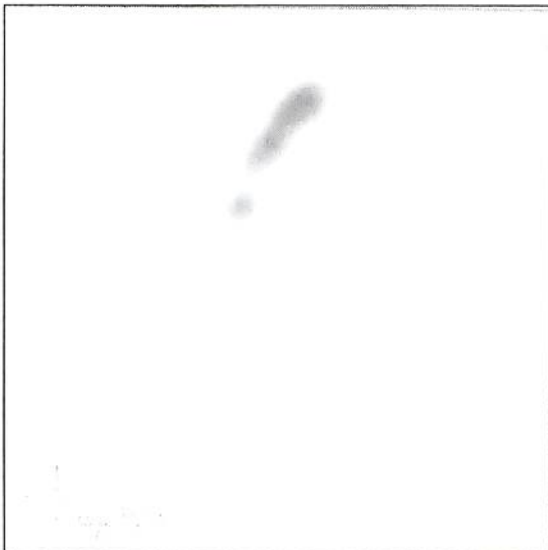
Purification Information

Starting material: 10:10:3 total lipid Starting Material Lot #: 13.Rv.2.3.12.8.WCg
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): SP031, SP032, SP033, SP037.1
Date started: 3/26/15
Date completed: 8/21/15
Notebook; page(s): PDIM Notebook 2 pp 15-25
Additional notes (if applicable): N/A

Quality Control Information:

Total volume: 10.0 ml Total amount of PDIM: 10.0 mg
Date dried on N₂ bath: 8/20/15
TLC date: 8/13/15 Notebook and page(s): PDIM Notebook 2 pp 26-30
TLC Solvent System: 1st dim (left to right) 98/2 petroleum ether/ethyl acetate x2 2nd dim (bottom to top) 98/2 petroleum ether/acetone

QC TLC:

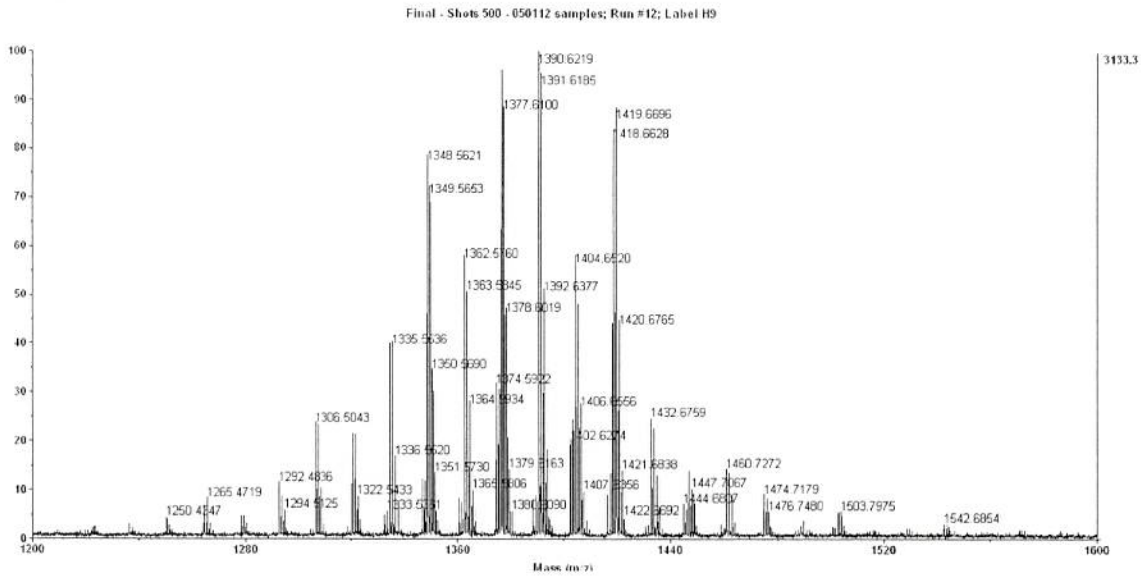


Loaded 50 μ g and developed with system described above; stained with CuSO₄ and charring.

Aliquot Information:

20 x 0.5 mg = 10.0 mg total

MALDI-TOF:



Mixed PDIM with DHB matrix 1:1 and analyzed in positive electrospray mode.

Dany Wilson

(Research Associate) 8/24/15
date

[Signature]

(Laboratory Supervisor) 8/24/2015
date