

Mycobacterium tuberculosis*, Strain H37Rv, Purified Trehalose Dimycolate (TDM)*Catalog No. NR-14844**

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Product Description: NR-14844 is a preparation of purified trehalose dimycolate (TDM) that was extracted from the lipid fraction obtained from irradiated *Mycobacterium tuberculosis*, strain H37Rv cells. Following purification steps, the TDM was dried under nitrogen gas.

Lot: 63648713**Manufacturing Date: 14DEC2015**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.Rv.12.10.02.TDM is attached.

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WORK SHEET FOR PURIFIED TREHALOSE DIMYCOLATE (TDM)

General Information

BEI Catalog Number: NR-14844
CSU Lot Number: 15.Rv.12.10.02.TDM
Species: *M. tuberculosis*
Strain: H37Rv

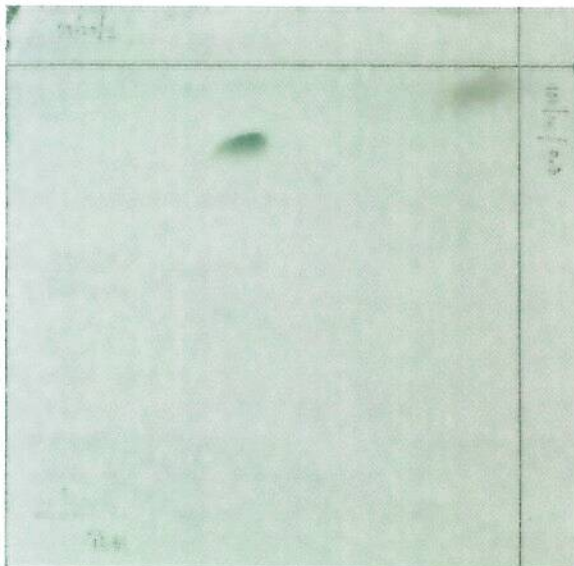
Purification Information

Starting material: 10:10:3 total lipid
Lot number: 13.Rv.2.9.3.9.WCg.b
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP029.2, SP031, SP032, SP033, SP037
Date started: 9/21/15
Date completed: 12/14/15
Notebook; page(s): TDM/Sulfolipid Notebook 2 pp 93-111
Additional notes (if applicable): _____

Quality Control Information:

Total volume: 2.0 ml Total amount of SL: 5.0 mg
Date dried on N₂ bath: 12/14/15
TLC date: 12/10/15 Notebook and page(s): TDM/Sulfolipid Notebook 2 pp 112-116

QC TLC:

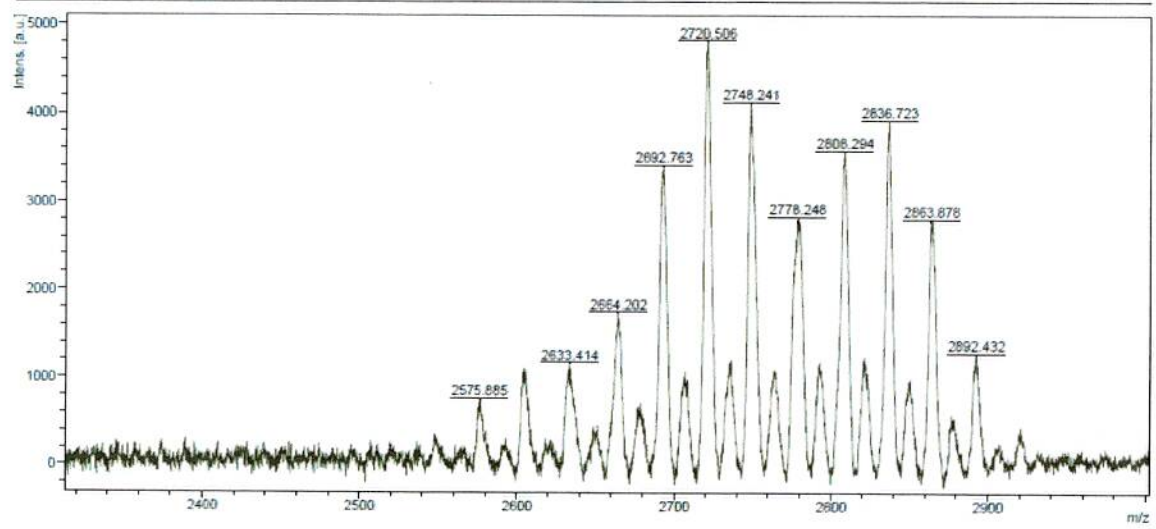
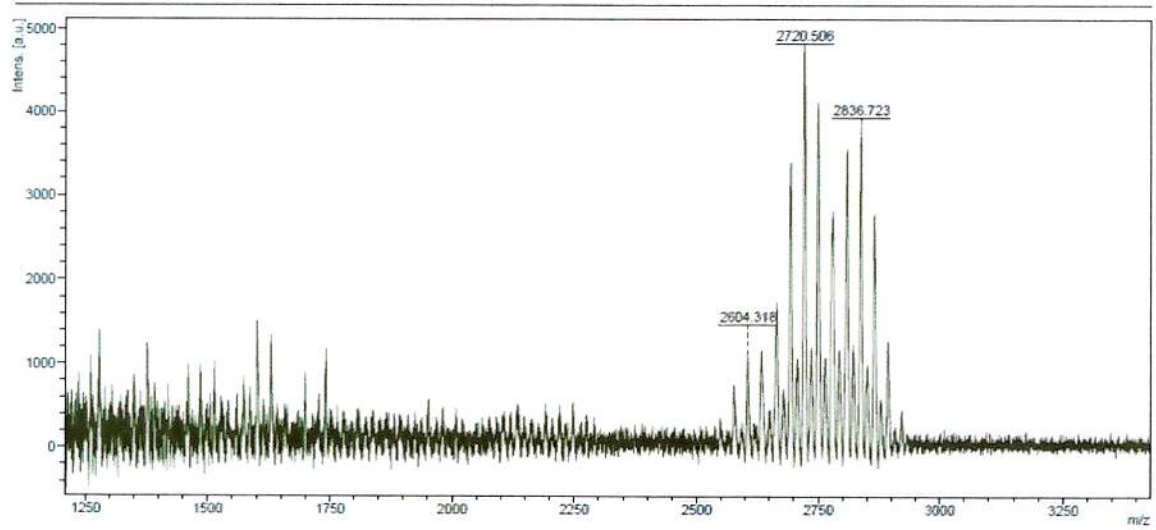


Developed 10 ug first dimension (left to right) in 100/14/0.8 chloroform/ methanol/ water; second dimension (bottom to top) in 80/20/2, same solvents.

Aliquot Information:

20 x 0.25 mg = **5.00 mg**

MALDI-TOF:



Loaded 1 μ l (1 μ g) TDM with 1 μ l DHB matrix and analyzed in positive mode.

1 Dan L. Jensen 12/14/15
(Research Associate) date

C. McHaffey 12/14/15
(Laboratory Supervisor) date