

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

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

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: 64233579**Manufacturing Date: 25APR2016**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 16.Rv.4.25.02.TDM is attached.

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WORK SHEET FOR PURIFIED TREHALOSE DIMYCOLATE (TDM)

General Information

BEI Catalog Number: NR-14844
CSU Lot Number: 16.Rv.4.25.02.TDM
Species: *M. tuberculosis*
Strain: H37Rv

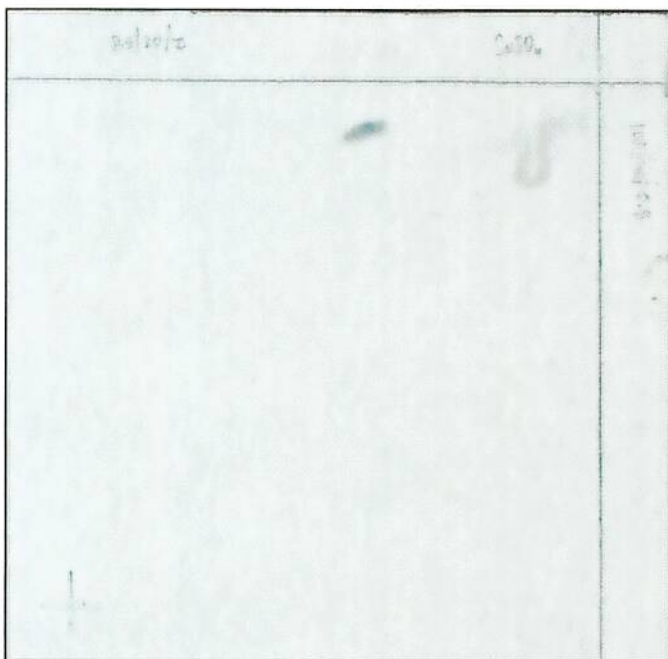
Purification Information

Starting material: 2:1 total lipid
Lot number: 13.Rv.2.9.10.4.WCg.b
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP029.2, SP031, SP032, SP033, SP037
Date started: 4/4/16
Date completed: 4/25/16
Notebook; page(s): TDM/TMM/SL Notebook 3 pp 35-45
Additional notes (if applicable): N/A

Quality Control Information:

Total volume: 2.00 ml Total amount of TDM: 2.00 mg
Date dried on N₂ bath: 4/25/16
TLC date: 4/25/16 Notebook and page(s): TDM/TMM/SL Notebook 3 pp 46-48

QC TLC:



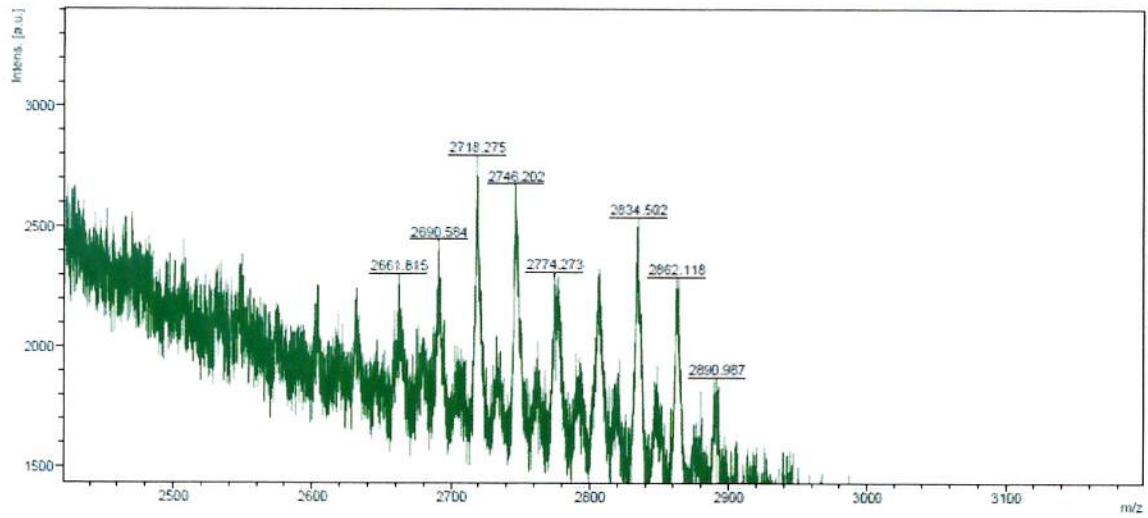
Developed 10 μ g first dimension (left to right) in 100/14/0.8 chloroform/ methanol/ water; second dimension (bottom to top) in 80/20/2, same solvents.

Stained with CuSO₄ and charring.

Aliquot Information:

8 x 0.25 mg = 2.00 mg

MALDI-TOF:



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

Sam C. Jasser 4/25/16
(Research Associate) date

C. McHaffey 4-25-16
(Laboratory Supervisor) date