

Mycobacterium tuberculosis*, Strain H37Rv, Purified Sulfolipid-1 (SL-1)*Catalog No. NR-14845**

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Product Description: NR-14845 is a preparation of purified sulfolipid-1 (SL-1) that was extracted from irradiated *Mycobacterium tuberculosis*, strain H37Rv cells with chloroform/methanol (2:1) and purified on a silica gel column. The loaded column was washed with chloroform and the SL-1 fraction was eluted with 5% methanol in chloroform. The SL-1 fraction was further purified on a C18 reverse phase Sep Pak filter which was washed with 60% chloroform in methanol to remove the trehalose dimycolate fraction followed by elution of the purified SL-1 with 25% chloroform in methanol.

Lot: 70011626**Manufacturing Date: 19FEB2018**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.Rv.2.16.01.SL is attached.

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WORK SHEET FOR PURIFIED SULFOLIPID (SL)

General Information

BEI Catalog Number: NR-14845
CSU Lot Number: 18.Rv.2.16.01.SL
Species: *M. tuberculosis*
Strain: H37Rv

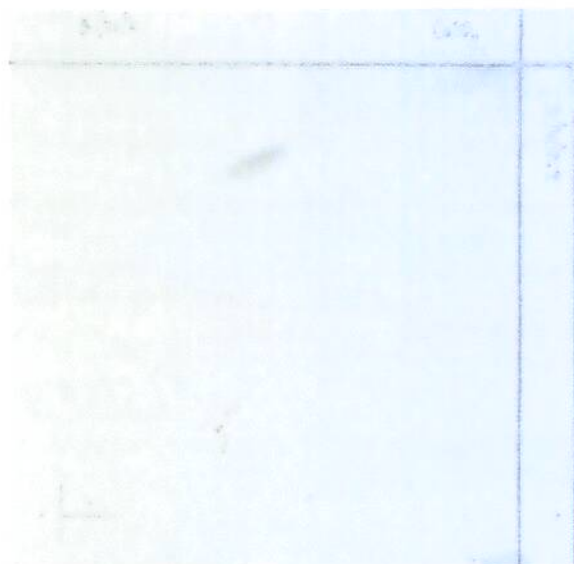
Purification Information

Starting material: 2:1 total lipid
Lot number: 17.Rv.2.7.26.8.WCg.b
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP034, SP031, SP032, SP033, SP037
Date started: 12/12/17
Date completed: 2/19/18
Notebook; page(s): Lipids Notebook 2 pp 19-27

Quality Control Information:

Total volume: 1.2192 ml Total amount of SL: 3.048mg
Date dried on N₂ bath: 2/19/18
TLC date: 2/2/18 Notebook and page(s): Lipids Notebook 8 pp 28-30, 34

QC TLC:

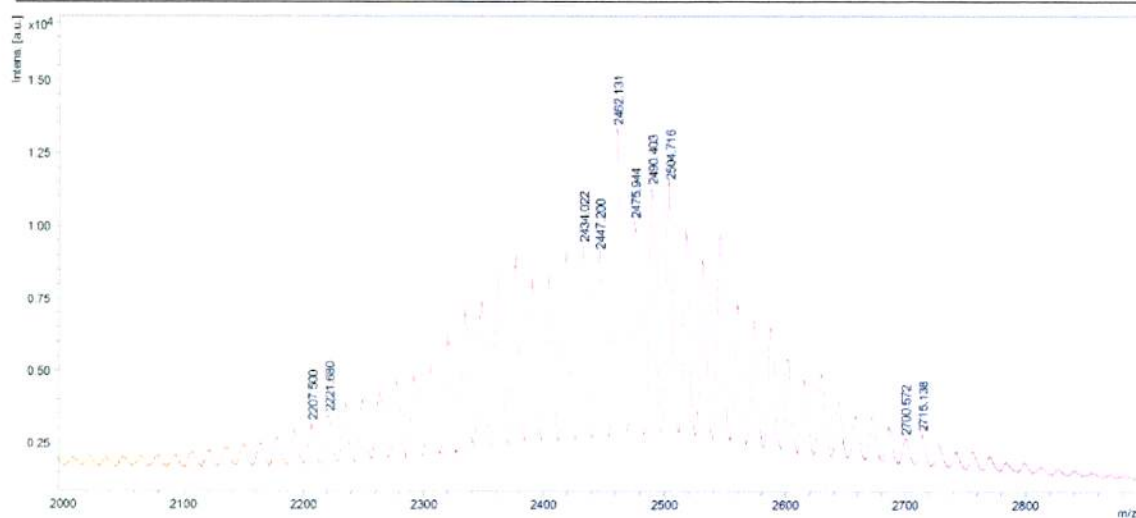
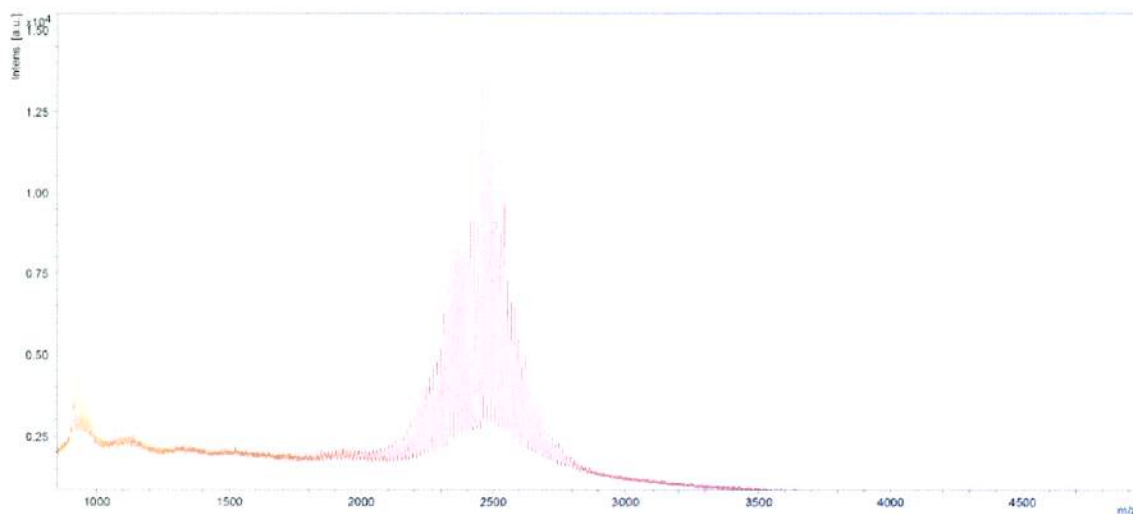


Developed 25 μ g first dimension (left to right) in 100/14/0.8 chloroform/ methanol/ water; second dimension (bottom to top) in 80/20/2, same solvents.

Aliquot Information:

12 x 0.250 mg = 3.000 mg
1 x 0.048 mg = 0.048 mg
3.048 mg

MALDI-TOF:



Loaded 1.25 μg SL and overlaid with 0.5 μl DHB matrix and analyzed in negative mode.

Samy W. Assou 2/19/18
(Research Associate) date

C. McHappay 2/22/18
(Laboratory Supervisor) date