

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

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

Product Description:

NR-14845 is a preparation of purified sulfolipid-1 (SL-1) that was extracted from irradiated *Mycobacterium tuberculosis*, strain H37Rv cells.

Lot: 70053420**Manufacturing Date: 07DEC2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 22.Rv.12.06.01.SL is attached.

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WORK SHEET FOR PURIFIED SULFOLIPID (SL)

General Information

BEI Catalog Number: NR-14845

CSU Lot Number: 22.Rv.12.06.01.SL

Species: *M. tuberculosis*

Strain: H37Rv

Purification Information

Starting material: 2:1 total lipid

Lot number: 22.H37Rv.07.14.TL

Cells Irradiated: Yes

Viability Test Performed: No Viable Organism Detected

Protocol used (SOP #'s): PP029.4

Date started: 8/24/22

Date completed: 12/7/22

Notebook; page(s): BM Notebook #1 BEI Contract, pg. 64 - 71

Quality Control Information:

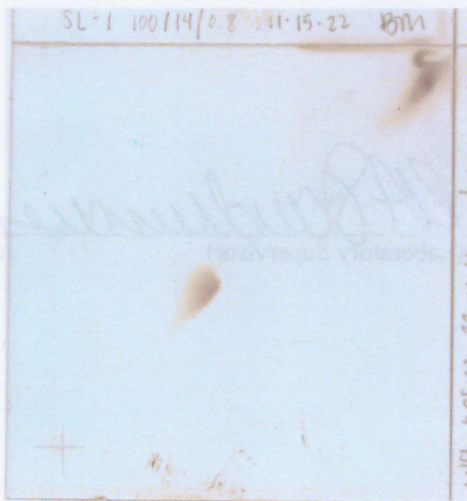
Total amount of SL: 7.0 mg

Date dried on N₂ bath: 12/7/22

TLC date: 11/15/22

Notebook and page(s): BM Notebook #1 BEI Contract pg. 69-71

QC TLC:



Developed 50 ug 1st dimension (left to right) in 100/14/0.8 chloroform/methanol/water; 2nd dimension (bottom to top) in 90/10 chloroform/methanol.

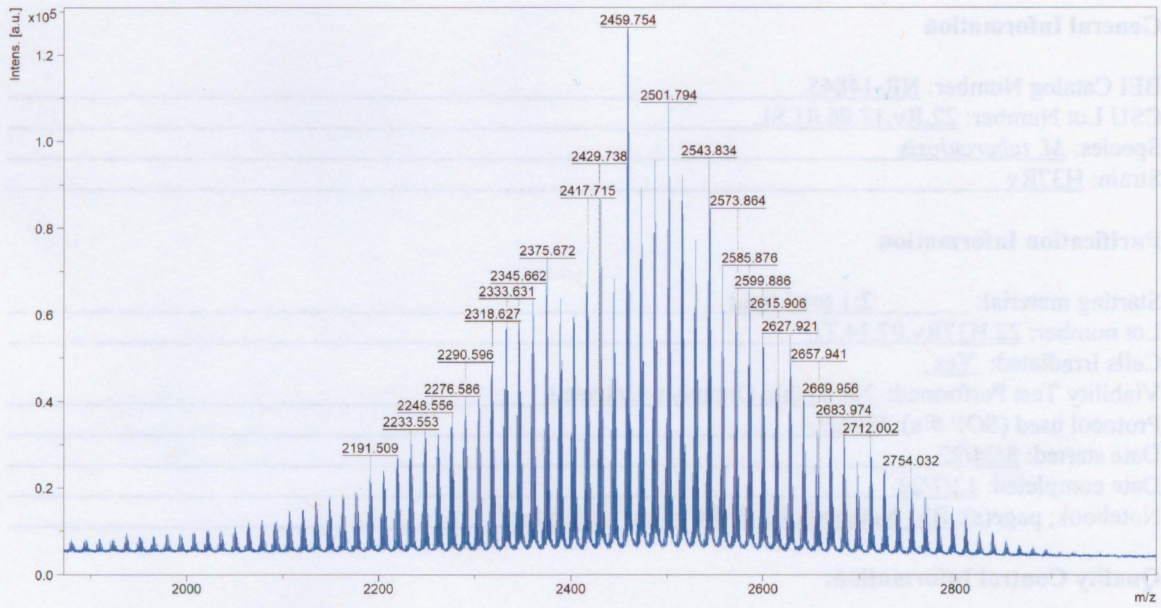
Aliquot Information:

$$20 \times 0.25 \text{ mg} = 5 \text{ mg}$$

$$1 \times 2.0 \text{ mg} = 2 \text{ mg}$$

7.0 mg total

MALDI-TOF:



Loaded 2.0 µg SL-1 and sandwiched between 1.0 µL DHB TA30 matrix. Analyzed in negative reflector mode.

Briana Marice 12/7/22
(Research Associate) date

RA Sanduncies 12/7/22
(Laboratory Supervisor) date