

***Mycobacterium tuberculosis*, Strain H37Rv, 6-O-Methylglucose-Containing Lipopolysaccharides (mGLP)**

**Catalog No. NR-59209**

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**Product Description:**

NR-59209 is a preparation of 6-O-methylglucose-containing lipopolysaccharides (mGLP) extracted from the lipid fraction obtained from irradiated *Mycobacterium tuberculosis*, strain H37Rv. mGLP possesses biological activities associated with fatty acid metabolism and has been found to induce  $\gamma\delta_2$  T cells.

**Lot: 70058660****Manufacturing Date: 24APR2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 23.Rv.04.21.mGLP is attached.

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WORK SHEET FOR PURIFIED mGLP

General Information

BEI Catalog Number: NR-59209  
CSU Lot Number: 23.Rv.04.21.mGLP  
Species: M. tuberculosis  
Strain: H37Rv

Purification Information

Starting material: 10:10:3 total lipid from cell pellet  
Lot number: 18.Rv.2.1.17.8.WCg.a  
Cells Irradiated: Yes  
Viability Test Performed: No Viable Organism Detected  
Protocol used (SOP #'s): PP060.1  
Date started: 1/3/2023  
Date completed: 4/24/2023  
Notebook; page(s): mGLP Milestone, pg. 6 - 33

Quality Control Information:

Total volume: 21 mL Total amount of mGLP: 4.9 mg  
TLC date: 4/19/2023 Date dried on N<sub>2</sub> bath: 4/21/2023  
Notebook and page(s): mGLP Milestone, pg. 30 - 33

QC TLC:

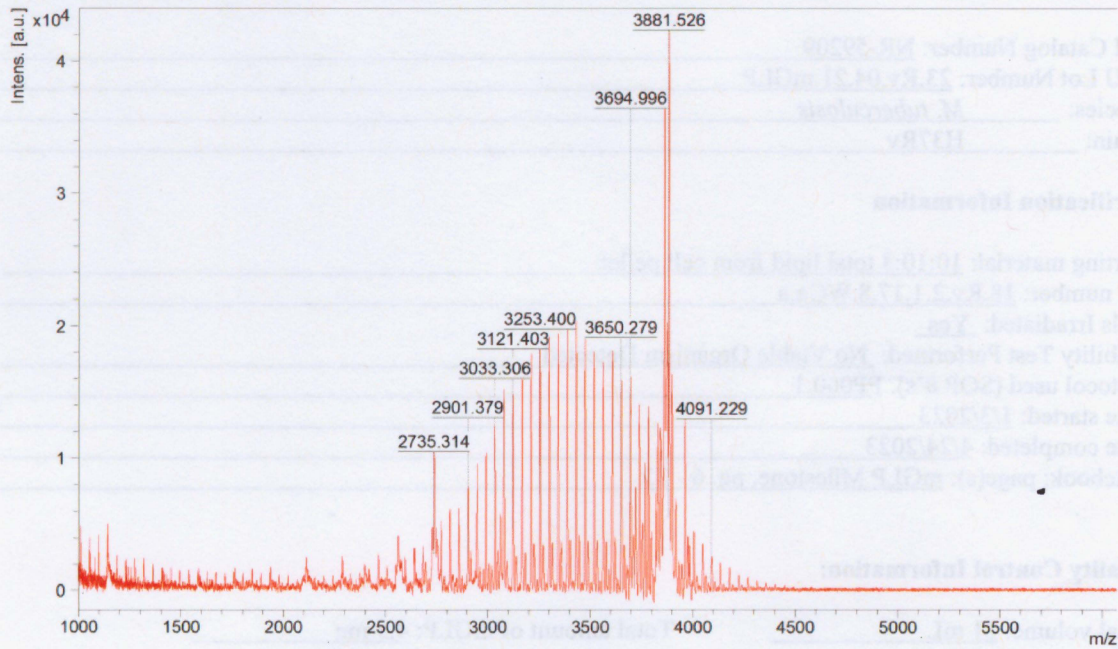


60% fraction; ran 20 ug in 56/38/10 chloroform/methanol/water.



**QC MALDI:**

mGLP 1:1 HCCA H2 04232023 BM x2



Run on Bruker Microflex MALDI-TOF at ARC center. Spotted a 1:1 mix of mGLP:HCCA matrix, 1 uL.  
Run at 70% laser intensity.

**Aliquot Information:**

$30 \times 0.1 \text{ mg} = 3 \text{ mg total}$   
 $1 \times 1.9 \text{ mg} = 1.9 \text{ mg total in bulk}$

Aliquot information reflects aliquots made at the time of QC. Bulk aliquots will be broken down as needed.

BM  
(Research Associate)

4/25/23  
date

PT Staudenmaier 4/25/23  
(Laboratory Supervisor) date