

***Mycobacterium canettii* Phenolic Glycolipid (PGL)****Catalog No. NR-36510**

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

**Product Description:** NR-36510 was produced from the total lipids of *Mycobacterium canettii*. Preparative TLC of the Folch-washed total lipid in chloroform/methanol (95:5, v/v) with scraping of individual bands and elution from silica using 2:1 chloroform/methanol yields PGL.

**Lot: 61602196****Manufacturing Date: 30MAY2013**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 13.Mca.5.23.01.PGL is attached.

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## WORK SHEET FOR PHENOLIC GLYCOLIPID

### General Information

Lot Number: 13.Mca.5.23.01.PGL  
Species: M. canetti

### Purification Information

Starting material: 2:1 chloroform/methanol-extracted total lipid April 2013  
Lot number: 13.Mc.4.10.TH.1  
Protocol used (SOP #'s): PP038.1, SP031, SP032, SP033, SP037  
Date started: 3/5/13  
Date completed: 5/30/13  
Notebook; page(s): PGL Notebook 2 pp 107-110

Additional notes: A single preparatory TLC plates was loaded with the 2% from the column and was developed with 95/5 chloroform/methanol as a cleanup. A portion of the plate was stained with  $\alpha$ -naphthol, and corresponding PGL band was scraped and extracted with 2:1 Chloroform:Methanol for QC analysis.

### Quality Control Information

Total volume: 2.0 ml Total amount of PGL: 7.5 mg Date dried on N<sub>2</sub> bath: 5/30/13  
Notebook and page(s): PGL Notebook 2 pp 110 TLC date: 5/23/13 MALDI-TOF date: 5/28/13

### QC TLC

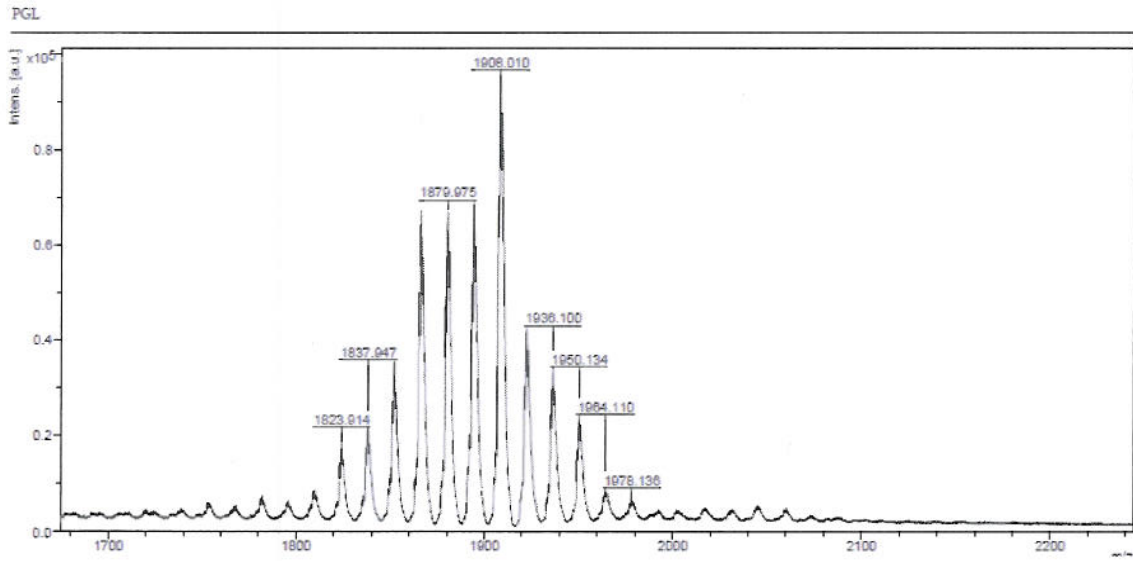


Developed 25 ug PGL in 95/5 chloroform/methanol and visualized with  $\alpha$ -naphthol.


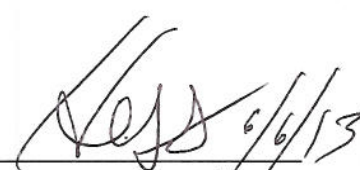
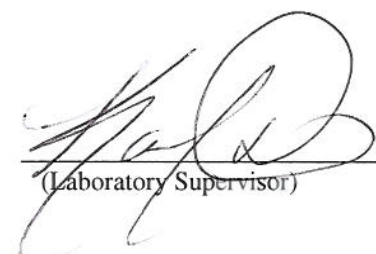
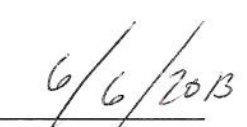
#### Aliquot Information

**30 x 0.25 mg = 7.5 mg**

**MALDI-TOF**



Mixed 1.0  $\mu$ l PGL sample at 1.95 mg/ml in 2:1  $\text{CHCl}_3/\text{CH}_3\text{OH}$  with 1.0  $\mu$ l DHB matrix, and analyzed in positive electrospray mode.

 (Research Associate)  date  (Laboratory Supervisor)  date