

***Mycobacterium leprae* Phenolic Glycolipid-I (PGL-I)****Catalog No. NR-19342**

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**Product Description:**

NR-19342 is a preparation of the phenolic glycolipid-I (PGL-I) of *Mycobacterium leprae* extracted from infected armadillo liver and spleen tissue. Crude lipids were obtained from chloroform:methanol (2:1) extraction of tissues and eluted on a silica gel column followed by preparative thin layer chromatography. The fractions containing PGL-I were pooled in chloroform:methanol (2:1) and dried under a nitrogen bath.

Note: PGL-I has a glassy appearance and can be difficult to observe in the glass vial.

**Lot: 70053431****Manufacturing Date: 28JUL2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 22.Mlep.7.28.PGL is attached.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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## WORK SHEET FOR *M.leprae* NATIVE PGL-1

### General Information

BEI Catalog Number: NR-19342  
CSU Lot Number: 22.Mlep.7.28.PGL  
Fraction Type: M. leprae native PGL-1  
Species: *Mycobacterium leprae*  
Strain: NHDP63

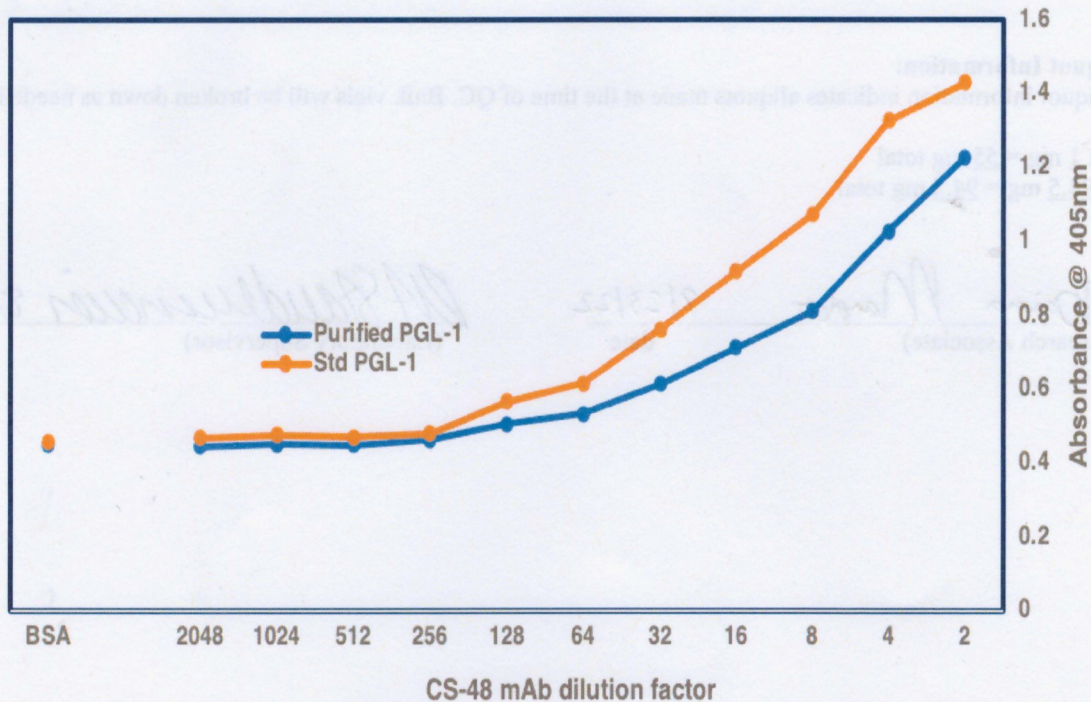
### Purification Information

Starting material: 2.0 g crude lipid (2:1 Chloroform:Methanol extraction of infected armadillo liver homogenate supernatant)  
Starting Material Lot #: Armadillo Liver #1 9F78 supernatant dated 05/08/2013  
Protocol used (SOP #'s): PP052 Isolation of Native PGL-1 from M. leprae  
Date started: 7.18.2022  
Date completed: 7.28.2022  
Notebook; page(s): Lipid Fractionation Book # 1, PP: 101-104, BM Notebook #1, PP: 58 – 63  
Additional notes (if applicable): N/A

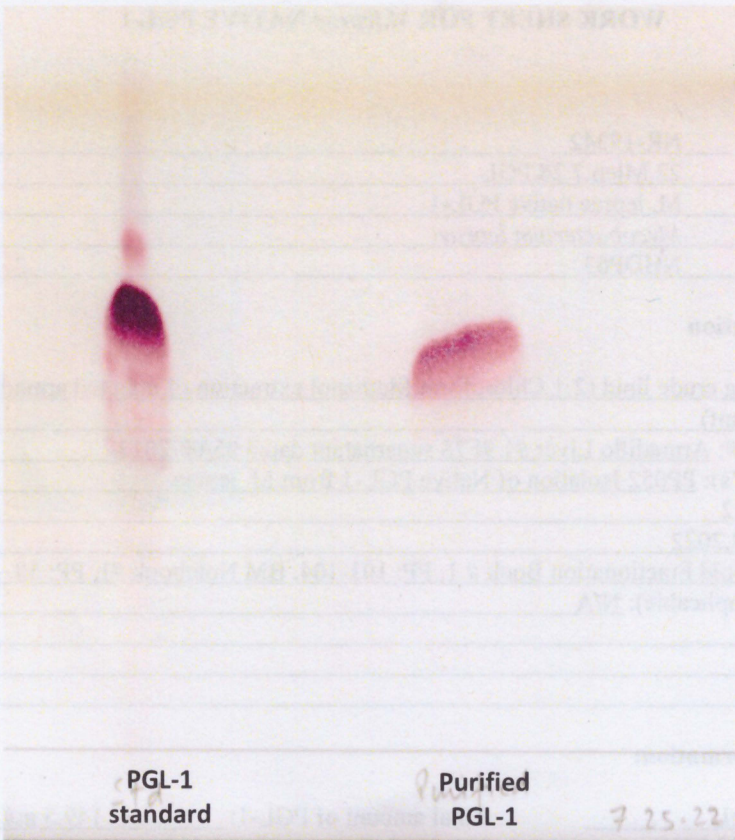
### Quality Control Information:

Total volume: 20mL Total amount of PGL-1: 149.5 mg  
TLC date: 07.25.2022 Notebook and page(s): Lipid Fractionation Book #1, 101-102  
TLC Solvent System: Chloroform:Methanol:Water (90:10:1)  
ELISA date: 07.27.2022 Notebook and page(s): Lipid Fractionation Book # 1 PP: 103-104  
ELISA Assay: 1ug/well each of purified PGL-1 and Standard PGL-1, 2-fold serial dilution (starting at 1:2 to 1:2048) of mAb CS-48 culture supernatant

### QC TLC & ELISA:







**Aliquot Information:**

\*Aliquot information indicates aliquots made at the time of QC. Bulk vials will be broken down as needed.

55 x 1 mg = 55 mg total  
 1 x 94.5 mg = 94.5 mg total

Briana Mando 8/23/22  
 (Research Associate) date

MA Staudenmann 8/23/22  
 (Laboratory Supervisor) date

