Certificate of Analysis for NR-19342

Mycobacterium leprae Phenolic Glycolipid-I (PGL-I)

Catalog No. NR-19342
This reagent is the tangible property of the U.S. Government.

Product Description:
NR-19342 is a preparation of the phenolic glycolipid-I (PGL-I) of *Mycobacterium leprae (M. 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: 70034462 **Manufacturing Date: 01APR2020**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 20.Mlep.04.01.PGL-I is attached.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected 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.

ATCC® is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.

Support Provided by NIAID

BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

© 2020 American Type Culture Collection (ATCC). All rights reserved.

WORK SHEET FOR M.leprae NATIVE PGL-I

General Information

BEI Catalog Number: NR-19342
CSU Lot Number: 20.Mlep.04.01.PGL-I
Fraction Type: *M.leprae* native PGL-1
Species: *Mycobacterium leprae*
Strain: NHDP63

Purification Information

Starting material: 2.0g crude lipid (2:1 Chloroform:Methanol extraction of infected Armadillo liver)
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: March 16, 2020
Date completed: April 1, 2020
Notebook; page(s): Lipid Fractionation Book # 1 PP : 96-100

Additional notes (if applicable):

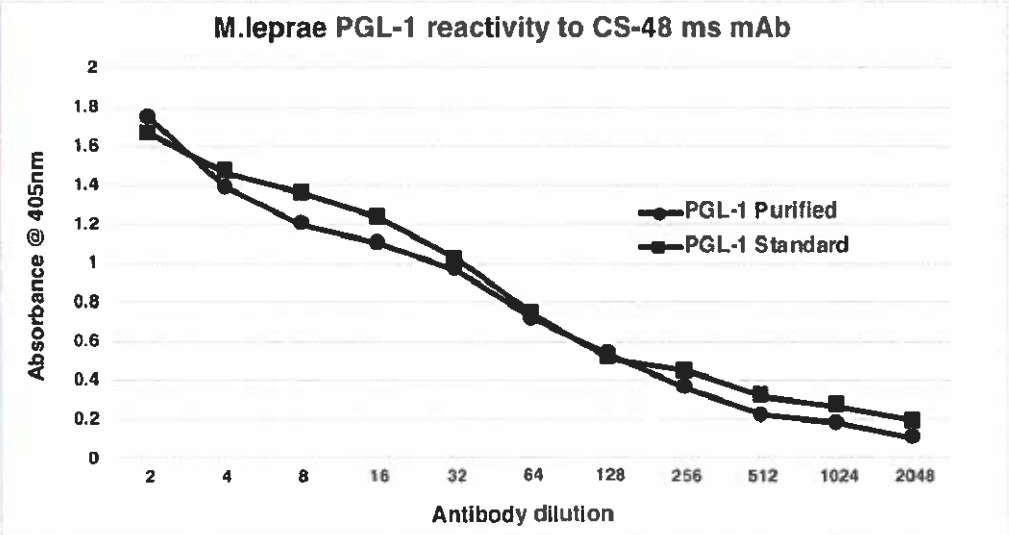
Quality Control Information:

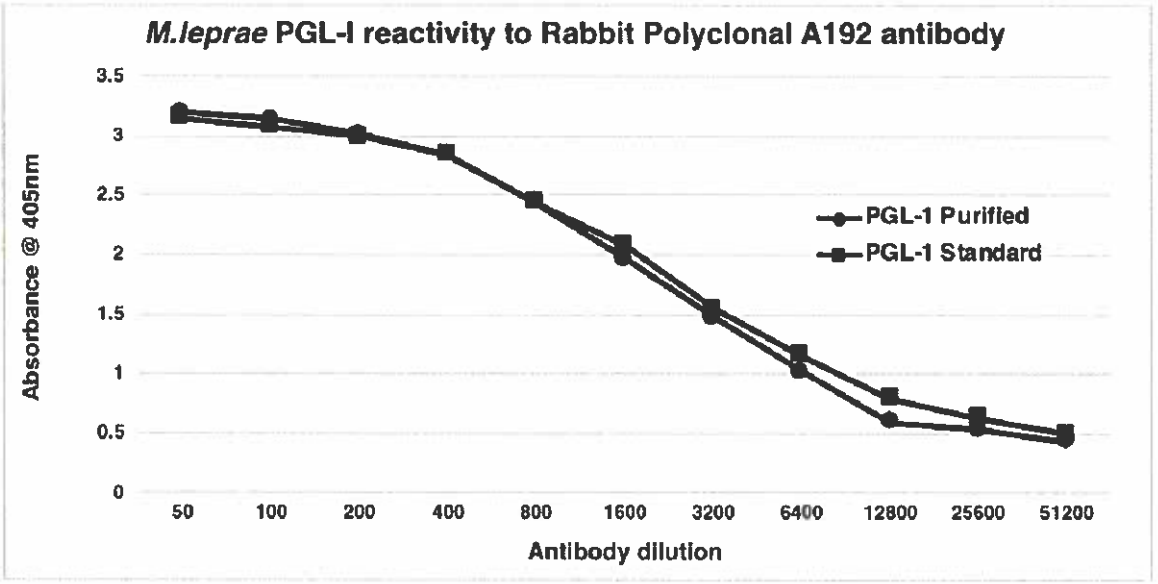
Total volume: 8ml
Total amount of PGL-I: 200mg
TLC date: 03.30.2020
Notebook and page(s): Lipid Fractionation Book # 1 PP: 96-98

TLC Solvent System: Chloroform:Methanol:Water (90:10:1)
ELISA date: 03.31.2020
Notebook and page(s) Lipid Fractionation Book # 1 PP: 99- 100

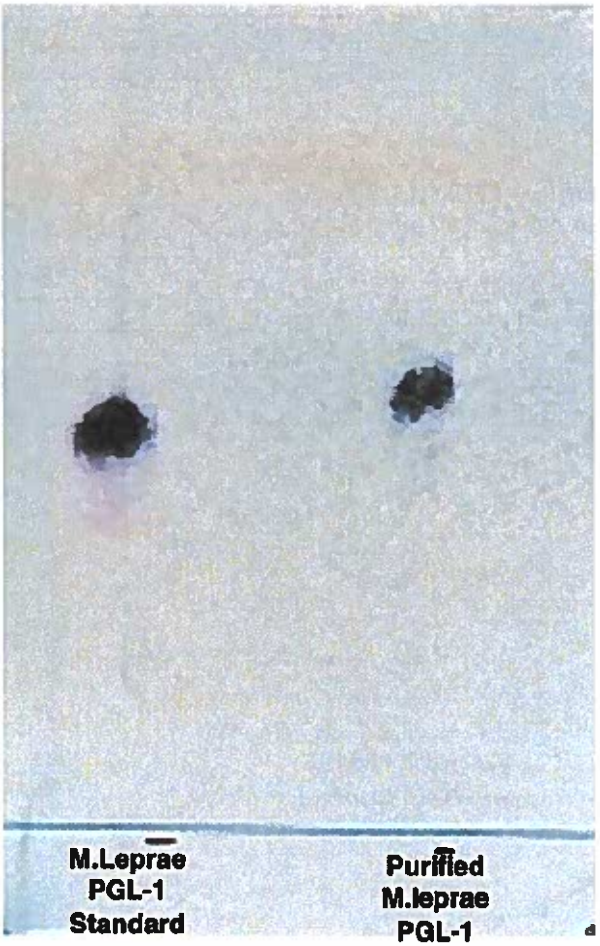
ELISA Assay: 1ug/well of purified PGL-I, 2-fold serial dilution of mAb CS-48 culture supernatant (dilution from 1:2 to 1:2014); 2-fold serial dilution of rabbit polyclonal A192 (dilution from 1:50 to 1:51200)

ELISA:





QC TLC:



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

60 x 1.0 mg = 60.0 mg
1 x 40.0 mg = 40.0 mg
1 x 100.0 mg = 100.0 mg
200.0 mg total

Anita Amin 04.13.2020
(Research Associate) date

additional technical review by DAT 4/20/2020

4/20/2020
(Laboratory Supervisor) date