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SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-19343

Mycobacterium leprae Deacylated Phenolic Glycolipid-I (PGL-I) and Fatty Acids from PGL-I

Catalog No. NR-19343
This reagent is the tangible property of the U.S. Government.

Product Description: NR-19343 was produced by hydrolysis of PGL-I followed by extraction with chloroform. Application of the chloroform phase to a Waters Sep-Pak silica cartridge and elution with chloroform provides the fatty acids. Additional elution with 5% methanol in chloroform provides the deacylated PGL-I.

Lot: M.lepdeacylated.PGL-I.10.1.10 **Manufacturing Date: 01OCT2010**

QC testing was performed by Colorado State University under the Leprosy Research Support Contract (NIH). The Colorado State University documentation 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.

Support Provided by NIAID

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QUALITY CONTROL SHEET FOR *M. leprae* DEACYLATED PGL-I

General Information

Product Lot Number: *M.lep*deacylated.PGL-I.10.1.10
Fraction Type: *M. leprae* deacylated PGL-I
Species: *Mycobacterium leprae*
Strain: N/A

Purification Information

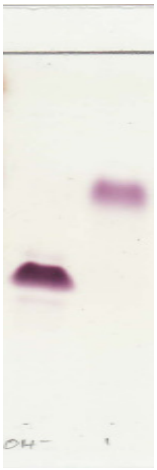
Starting material: 7 mg deacylated PGL-I (NaOH treated) produced by Bruce Gregory in 2002
Date started: unknown Date completed: unknown
Notebook; page(s): Jarrett Trembly, lipid fractionation notebook (2010), pp. 60-62
Additional notes (if applicable): deacylated PGL-I checked by thin layer chromatography using 90:10:1 chloroform:methanol:water as solvent, then aliquoted in glass vials

Quality Control Information:

Total volume: unknown Total amount of deacylated PGL-I: 7.0 mg
Date dried on nitrogen: 10/1/10
TLC date: 10/1/10 Notebook and page(s): lipid fractionation notebook pp 60-62
TLC Solvent System: 90:10:1 chloroform:methanol:water

QC TLC:

TLC deacyl. native PGL-I



Aliquot Information:

28 x 0.25 mg = 7.0 mg total

(Research Associate) 10/1/10 date (Laboratory Supervisor) 10/1/10 date