

***Mycobacterium leprae* Total Lipids**

Catalog No. NR-19332

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Product Description:

NR-19332 is a preparation of the total cellular lipids of *Mycobacterium leprae*, including those with known biological activities, including phenolic glycolipid I (PGL-I), II and III and dimycocerosate.

Lot: 63648726¹

Manufacturing Date: 01JUN2012

TEST	SPECIFICATIONS	RESULTS
Thin Layer Chromatography ²	Product visible after charring	Product visible after charring (Figure 1)

¹Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lot 12.Mle.6.1.01.TL is attached.

²Retesting of NR-19332 lot 63648726 was performed by BEI Resources in June 2019 to confirm product stability.

Figure 1: Thin Layer Chromatography



NR-19332 lot 63648726 was resuspended in chloroform/methanol (2:1) at a concentration of 5 µg/µL. ~ 60 µg of the sample was developed in chloroform/methanol (7:1; without water) and visualized with copper sulfate and charring.

/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

05 SEP 2019

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WORK SHEET FOR PURIFIED TOTAL LIPID (TLIP)

General Information

Product Lot Number: 12.Mle.6.1.01.TL
Species: M. leprae
Strain: NHDP-98

Purification Information

Starting material: M. leprae cells kept at -80°C Starting Material Lot #: 7R93 Spleen #1 12/9/11
Protocol used (SOP #'s): PP018, SP031, SP033
Date started: 5/14/12
Date completed: 6/1/12
Notebook; page(s): Lipids Notebook 6 pp 34-37

Quality Control Information:

Total volume: 5.6 ml Total amount of TLIP: 28.0 mg
Date dried on N₂ bath: 5/31 - 6/1/12
TLC date: 5/29/12 Notebook and page(s): Lipids Notebook 6 pp 38-41
TLC Solvent System: 65/25/4 chloroform/methanol/water

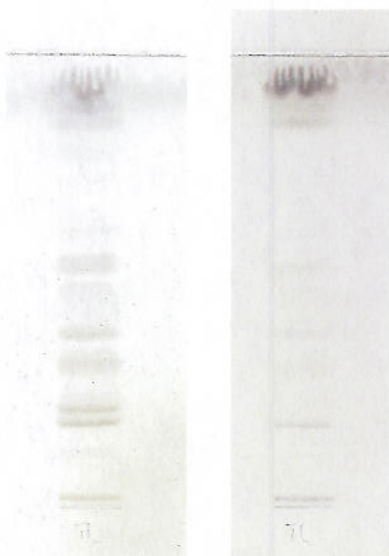
QC TLC:

α -naphthol

CuSO₄

Aliquot information

56 x 0.5 mg = 28.0 mg



Loaded 50 ug Folch-washed total lipid.

Danny Crivello 6/4/12
(Research Associate) date

[Signature] 6/12/2012
(Laboratory Supervisor) date