

***Mycobacterium tuberculosis*, Strain H37Rv, Acetone-Insoluble Lipids**

Catalog No. NR-14843

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

Product Description:

NR-14843 is a preparation of acetone-insoluble cellular lipids extracted from *Mycobacterium tuberculosis*, strain H37Rv.

Lot: 2038¹

Manufacturing Date: 05DEC2016

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 16.H37Rv.11.30.01.ac-insol.TL is attached.

²Retesting of NR-14843 lot 2038 was performed by BEI Resources in July 2019 to confirm product stability.

Figure 1: Thin Layer Chromatography



NR-14843 lot 2038 was resuspended in chloroform:methanol (2:1) at a concentration of 1 µg/µL. ~ 20 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

BEI Catalog Number: NR-14843
CSU Lot Number: 16.H37Rv.11.30.01.ac-insol.TL
Species: M. tuberculosis
Strain: H37Rv

Purification Information

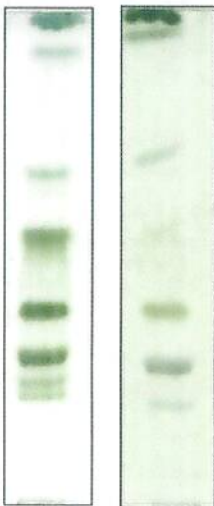
Starting material: H37Rv cells Starting Material Lot #: 15.Rv.2.10.13.8.WCg
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018.1, PP036.1, SP031, SP033
Date started: 11/7/16
Date completed: 12/5/16
Notebook; page(s): Total Lipids I pp 46-52
Additional notes: Total Rv lipid (50.0 mg) was triturated into cold acetone overnight, and the precipitate collected by centrifugation. Acetone-insol material was resuspended in 2:1 chloroform/methanol.

Quality Control Information:

Total amount of TL: 20.7 mg Date dried on N₂ bath: 12/1/16
TLC date: 12/5/16 Notebook and page(s): Total Lipids I pp 53-54
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

CuSO₄ α-naphthol



Aliquot Information:

1 x 8.2 mg = 8.2 mg
25 x 0.5 mg = 12.5 mg
20.7 mg total

Danny C. Jansen 12/6/16
(Research Associate) date

C. Leahy 12/8/16
(Laboratory Supervisor) date