

***Mycobacterium tuberculosis*, Strain H37Rv, Total Lipids**

Catalog No. NR-14837

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Product Description: NR-14387 is a preparation of the total cellular lipids of irradiated *Mycobacterium tuberculosis*, strain H37Rv, including those with known biological activities, such as trehalose dimycolate (TDM) and sulpholipids. The culture was grown to late-log phase in glycerol-alanine-salts medium, washed with PBS, inactivated by gamma irradiation and dried. The cellular lipids were extracted with 30 mL of chloroform/methanol (2:1) per gram of cells at 55°C for 18 hours. Cells were removed by filtration and contaminating hydrophilic molecules were removed by biphasic partitioning with water (Folch Wash). The organic phase of the Folch wash was collected and dried.

Lot: 63648712

Manufacturing Date: 21AUG2015

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.Rv.8.20.01.TL 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 PURIFIED TOTAL LIPID (TLIP)

General Information

BEI Catalog Number: NR-14837
CSU Lot Number: 15.Rv.8.20.01.TL
Species: M. tuberculosis
Strain: H37Rv

Purification Information

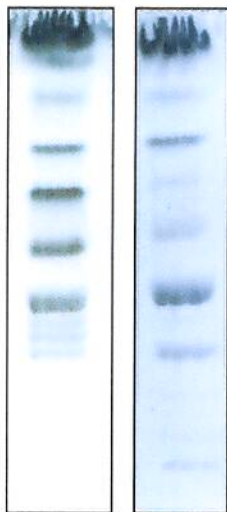
Starting material: H37Rv cells Starting Material Lot #: 14.Rv.2.6.3.4.WCg.c
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018, SP031, SP033
Date started: 1/21/15
Date completed: 8/21/15
Notebook; page(s): Total Lipids I p33
Additional notes: Loaded 100 µg on duplicate TLC sheets and stained with copper sulfate or α-naphthol plus charring.

Quality Control Information:

Total volume: 72.5 ml Total amount of TLIP: 725.0 mg
Date dried on N₂ bath: 8/21/15
TLC date: 8/20/15 Notebook and page(s): Total Lipids I pp 34-36
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

CuSO₄ α-naphthol



Aliquot Information:

65 x 5.0 mg = 325.0 mg
8 x 50.0 mg = 400.0 mg
725.0 mg

Dan Larson 4/9/18
(Research Associate) date

C. McHaffey 4/10/18
(Laboratory Supervisor) date