

Mycobacterium tuberculosis*, Strain H37Rv, Total Lipids (hypoxic culture)*Catalog No. NR-36508**

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Product Description: NR-36508 is a preparation of the total cellular lipids of *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 under hypoxic conditions 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: 70005742**Manufacturing Date: 02NOV2017**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.hyp.11.02.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-36508
CSU Lot Number: 17.Rv.hyp.11.02.TL
Species: *M. tuberculosis*
Strain: H37Rv

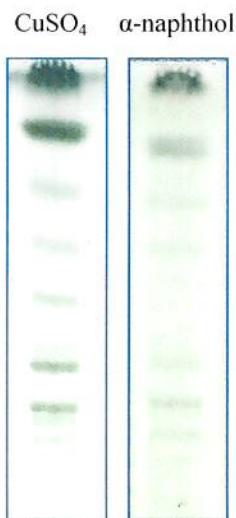
Purification Information

Starting material: H37Rv cells Starting Material Lot #: 14.Rv.2.10.20.Hypoxic
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018.1, PP036.1, SP031, SP033
Date started: 7/24/17
Date completed: 11/2/17
Notebook; page(s): Lipids 8 pp 9-16
Additional notes: Two pellets in GAS/20% of the same lot were used for this preparation. Used at least one overnight extraction for each in 30 mL 2:1 chloroform/methanol per 1g lyophilized weight. Loaded 50 µg on duplicate HPTLC for differential staining.

Quality Control Information:

Total amount of TL: 12.7 mg Date dried on N₂ bath: 11/2/17
TLC date: 11/1/17 Notebook and page(s): Lipids 8 pp 17-18
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:



Aliquot Information:

12 x 1.0 mg = 12.0 mg
1 x 0.7 mg = 0.7 mg
12.7 mg

Dany Huser 11/2/17
(Research Associate) date

C. McHaffey 11/5/17
(Laboratory Supervisor) date