

Mycobacterium tuberculosis*, Strain H37Rv, Total Lipids (normoxic culture)*Catalog No. NR-36509**

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Product Description: NR-36509 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 normoxic 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: 70005743**Manufacturing Date: 08AUG2017**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.nor.8.8.01.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-36509
CSU Lot Number: 17.Rv.nor.8.8.01.TL
Species: *M. tuberculosis*
Strain: H37Rv

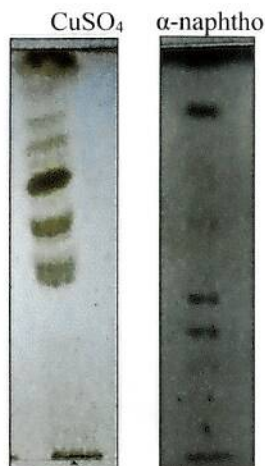
Purification Information

Starting material: H37Rv cells Starting Material Lot #: 14.Rv.2.10.20.normoxic
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018, SP031, SP033
Date started: 07/24/17
Date completed: 08/08/17
Notebook; page(s): Normoxic/Hypoxic paired culture production Notebook 2 P. Knabenbauer pgs. 31-38
Additional notes NA

Quality Control Information:

Total amount of TLIP: 102 mg
Date dried on N₂ bath: 08/07/14
TLC date: 8/1/17 Notebook and page(s): Normoxic/Hypoxic paired culture production Notebook 2 P. Knabenbauer pgs. 35 and 36
TLC Solvent System: 65/25/4 chloroform/methanol/water


QC TLC:



Aliquot Information:

15 x 1 mg = 15 mg
4 x 20 mg = 80 mg
1 x 7 mg = 7 mg
Total: 102 mg


(Research Associate) 11/28/17
date


(Laboratory Supervisor) 11-28-17
date