

***Mycobacterium tuberculosis*, Strain CDC1551, Total Lipids****Catalog No. NR-14838**

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

**Product Description:** NR-14838 is a preparation of the total cellular lipids of *Mycobacterium tuberculosis*, strain CDC1551, 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: 61977656****Manufacturing Date: 02AUG2013**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 13.CDC1551.7.31.1.TLIP is attached.

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



WORK SHEET FOR PURIFIED TOTAL LIPID (TLIP)

General Information

Product Lot Number: 13.CDC1551.7.31.1.TLIP  
Species: M. tuberculosis  
Strain: CDC1551

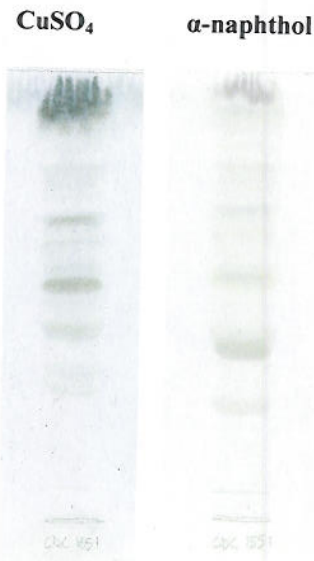
Purification Information

Starting material: γ-irradiated CDC1551 cells Starting Material Lot #: 13.CSU93.5.21.7.WCg  
Protocol used (SOP #'s): PP018, SP031, SP033, SP037  
Date started: 7/23/13  
Date completed: 8/2/13  
Notebook; page(s): Lipids Notebook 7 pp 14-15

Quality Control Information:

Total volume: 70.0 ml Total amount of TLIP: 350.0 mg  
Date dried on N<sub>2</sub> bath: 8/2/13  
TLC date: 7/31/13 Notebook and page(s): Lipids Notebook 7 p16  
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:



Aliquot information

40 x 5.0 mg = 200.0 mg  
6 x 25.0 mg = 150.0  
350.0 mg

Dan C. Jensen 8/2/13  
(Research Associate) date

[Signature] 8/5/2013  
(Laboratory Supervisor) date