

***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 sulfolipids. 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: 61449195****Manufacturing Date: 29APR2013**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 13.Rv.hyp.04.29.01.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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You are authorized to use this product for research use only. It is not intended for human use.



# WORK SHEET HYPOXIC TOTAL LIPID

## General Information

Product Lot Number: 13.Rv.hyp.04.29.01.TL  
Species: M. tuberculosis

## Purification Information

Starting Material Lot #: 13.Rvh.04.23.01.as  
Protocol used (SOP #'s): PP018, SP031, SP033  
Date started: 4/23/13  
Date completed: 4/29/13  
Notebook; page(s): Lipids Notebook 7 p11

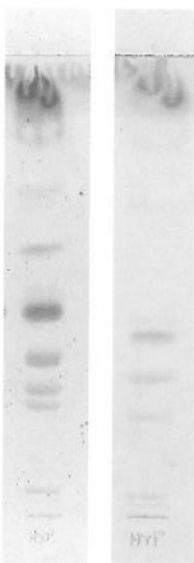
## Quality Control Information:

Total volume: 0.4 ml Total amount of TLIP: 4.0 mg  
Date dried on N<sub>2</sub> bath: 4/30/13  
TLC date: 4/29/13 Notebook and page(s): Lipids Notebook 7 pp 11-12  
TLC Solvent System: 65/25/4 chloroform/methanol/water  
98/2 petroleum ether/ethyl acetate x3(nonpolar)

## QC TLC:

CuSO<sub>4</sub>  $\alpha$ -naphthol

CuSO<sub>4</sub>

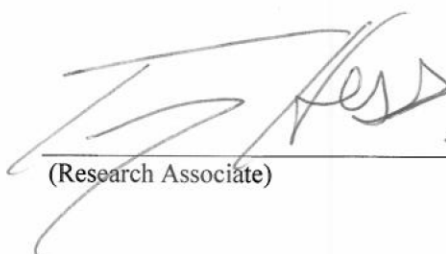


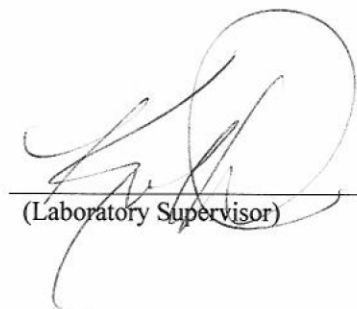
Loaded with 50 ug Foch-washed total lipid for standard 65/25/4 run or 100 ug for nonpolar lipid resolution.

### Aliquot information

4 x 1.0 mg = 4.0 mg

(nonpolar)

  
(Research Associate) 4/30/13  
date

  
(Laboratory Supervisor) 5/1/2013  
date