

# Mycobacterium tuberculosis, Strain H37Rv, Total Lipids Kit Containing Hypoxic and Normoxic Cultures

## Catalog No. NR-48697

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

**Product Description:** NR-48697 is a kit comprised of total lipid preparations from both hypoxic and normoxic cultures of irradiated *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv.

KIT COMPONENT	BEI RESOURCES PRODUCT AND LOT NUMBERS	MANUFACTURING DATE	CSU LOT NUMBER
<i>M. tuberculosis</i> , Strain H37Rv, Total Lipids (hypoxic culture)	NR-36508 lot 70005742	02NOV2017	17.Rv.hyp.11.02.TL
<i>M. tuberculosis</i> , Strain H37Rv, Total Lipids (normoxic culture)	NR-36509 lot 70005743	08AUG2017	17.Rv.nor.8.8.01.TL

## Lot: 70011765

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lots 17.Rv.hyp.11.02.TL and 17.Rv.nor.8.8.01.TL is attached. The kit was assembled by BEI Resources on 05JAN2018.

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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

BEI Catalog Number: NR-36508  
CSU Lot Number: 17.Rv.hyp.11.02.TL  
Species: *M. tuberculosis*  
Strain: H37Rv

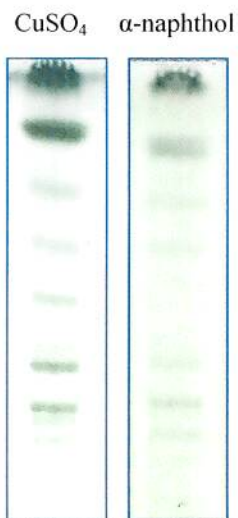
### Purification Information

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 N<sub>2</sub> 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

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

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

## 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

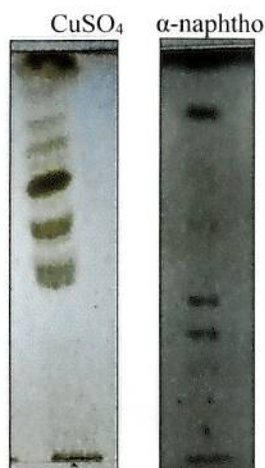
### Purification Information

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 N<sub>2</sub> 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

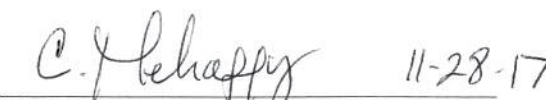
### QC TLC:



### 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