

***Mycobacterium tuberculosis*, Strain Indo-Oceanic T17X, Total Lipids**

**Catalog No. NR-44099**

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**Product Description:** NR-44099 is a preparation of the total cellular lipids of irradiated *Mycobacterium tuberculosis*, strain Indo-Oceanic T17X, including those with known biological activities, such as trehalose dimycolate (TDM) and sulpholipids.

**Lot: 70017948**

**Manufacturing Date: 25APR2019**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 19.IO.4.19.01.TL is attached.

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## WORK SHEET FOR PURIFIED TOTAL LIPID (TLIP)

### General Information

BEI Catalog Number: NR-44099  
CSU Lot Number: 19.IO.4.19.01.TL  
Species: *M. tuberculosis*  
Strain: Indo-Oceanic

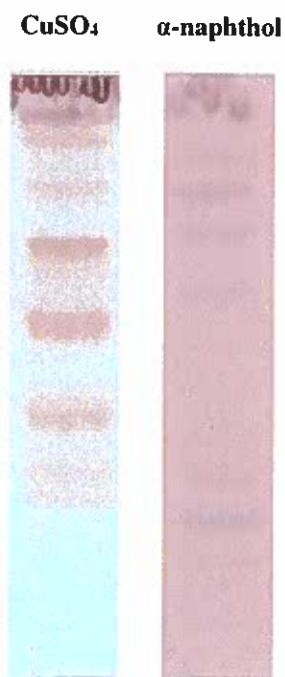
### Purification Information

Starting material: Mtb cells Starting Material Lot #: 16.IO.1.19.8.WCg.b  
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected  
Protocol used (SOP #'s): PP018, SP031, SP033  
Date started: 3/29/19  
Date completed: 4/25/19  
Notebook; page(s): Total Lipids Notebook 1 pp 64-67  
Additional notes: 73.0 g cells were lyophilized and weighed at 10.4 g, then 30 ml 2:1 chloroform/methanol per gram was used for 3-fold extraction, including one overnight. Combined extract was Folch-washed, dried, then resuspended at 10 mg/ml for TLC and aliquoting.

### Quality Control Information:

Total amount of TLIP: 1328 mg Date dried on N<sub>2</sub> bath: 4/25/19  
TLC date: 4/25/19 Notebook and page(s): Total Lipids I pp 68-72  
TLC Solvent System: 65/25/4 chloroform/methanol/water

### QC TLC:



### Aliquot Information:

20 x 5 = 100 mg  
12 x 100 = 1200 mg  
1 x 28 = 28 mg  
**1328 mg**

Dan W. Desser 5/10/19  
(Research Associate) date

C. Mahaffey 5/9/19  
(Laboratory Supervisor) date