

Mycobacterium tuberculosis*, Strain East African Indian 91_0079, Total Lipids*Catalog No. NR-44098**

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

Product Description: NR-44098 is a preparation of the total cellular lipids of irradiated *Mycobacterium tuberculosis* (*M. tuberculosis*), strain East African Indian 91_0079, including those with known biological activities, such as trehalose dimycolate (TDM) and sulpholipids.

Lot: 70017947**Manufacturing Date: 25APR2019**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 19.EAI.4.19.01.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-44098
CSU Lot Number: 19.EAI.4.19.01.TL
Species: *M. tuberculosis*
Strain: East African Indian

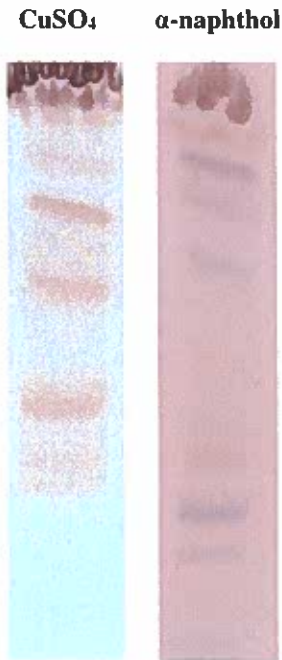
Purification Information

Starting material: Mtb cells Starting Material Lot #: 18.EAI.5.23.11.WCg.a
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: 99.6 g cells were lyophilized and weighed at 16.1 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: 1617 mg Date dried on N₂ 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
15 x 100 = 1500 mg
1 x 17 = 17 mg
1617 mg

[Signature] Cu-Tester 5/9/19
(Research Associate) date

[Signature] C. McHaffey 5/10/19
(Laboratory Supervisor) date