

***Mycobacterium bovis*, Strain AF 2122/97 (ATCC<sup>®</sup> BAA-935<sup>™</sup>), Total Lipids****Catalog No. NR-44100**

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

**Product Description:** NR-44100 is a preparation of the total cellular lipids of *Mycobacterium bovis* (*M. bovis*), strain AF 2122/97 (ATCC<sup>®</sup> BAA-935<sup>™</sup>), including those with known biological activities, such as trehalose dimycolate (TDM) and sulpholipids.

**Lot: 61983708****Manufacturing Date: 07AUG2014**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 14.Mbov.5.6.01.TL 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: 14.Mbov.5.6.01.TL  
Species: M. bovis  
Strain: \_\_\_\_\_

## Purification Information

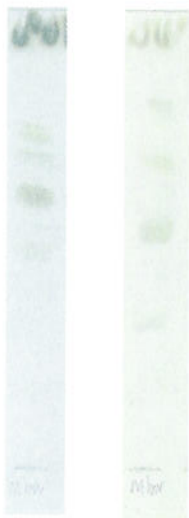
Starting material: γ-irradiated M. bovis cells Starting Material Lot #: 14.BAA.935.4.29.4WCg  
Protocol used (SOP #'s): PP018, SP031, SP033, SP037  
Date started: 7/24/14  
Date completed: 8/7/14  
Notebook; page(s): Total Lipids Notebook 1 pp 22-23

## Quality Control Information:

Total volume: 29.43 ml Total amount of TLIP: 294.3 mg  
Date dried on N<sub>2</sub> bath: 8/7/14  
TLC date: 8/6/14 Notebook and page(s): Total Lipids Notebook 1 pp 24-25  
TLC Solvent System: 65/25/4 chloroform/methanol/water

## QC TLC:

CuSO<sub>4</sub> α-naphthol



### Aliquots:

20 x 5.0 mg = 100.0 mg  
3 x 50.0 mg = 150.0  
1 x 44.3 mg = 44.3  
294.3 mg

Dan L. Jensen 8/7/14  
(Research Associate) date

[Signature] 8/11/14  
(Laboratory Supervisor) date