

***Mycobacterium canettii* Total Lipids**

Catalog No. NR-40334

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

Product Description:

NR-40334 is a preparation of the total cellular lipids of *Mycobacterium canettii* including those with known biological activities, such as trehalose dimycolate (TDM) and sulfolipids.

Lot: 63648737¹

Manufacturing Date: 09OCT2015

TEST	SPECIFICATIONS	RESULTS
Thin Layer Chromatography ²	Product visible after charring	Product visible after charring (Figure 1)

¹Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lot 15.Mca.10.7.01.TL is attached.

²Retesting of NR-40334 lot 63648737 was performed by BEI Resources in June 2019 to confirm product stability.

Figure 1: Thin Layer Chromatography



NR-40334 lot 63648737 was resuspended in 2:1 chloroform:methanol at a concentration of 10 µg/µL. ~ 20 µg sample was developed in chloroform:methanol (5:1; without water) and visualized with copper sulfate and charring.

/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

05 SEP 2019

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WORK SHEET FOR PURIFIED TOTAL LIPID (TLIP)

General Information

BEI Catalog Number: NR-40334
CSU Lot Number: 15.Mca.10.7.01.TL
Species: *M. canetti*
Strain: canetti

Purification Information

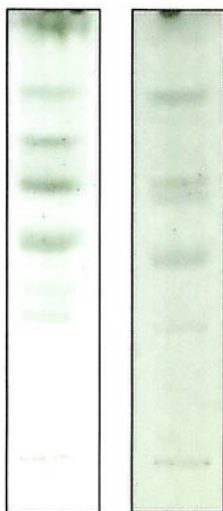
Starting material: *M. canetti* cells Starting Material Lot #: 15.Canetti.6.30.4.WCg.b
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018, SP031, SP033
Date started: 9/24/15
Date completed: 10/9/15
Notebook; page(s): Total Lipids I p36-38
Additional notes: Lyophilized weight of cells 3.23 g. Used 30 mL 2:1 chloroform/methanol per 1 g dry cell weight. Performed 2 extractions, one for 3 hrs and the other overnight. Total lipid was Folch-washed with water prior to TLC analysis.

Quality Control Information:

Total volume: 30.0 ml Total amount of TLIP: 300.0 mg
Date dried on N₂ bath: 10/6/15
TLC date: 10/9/15 Notebook and page(s): Total Lipids I pp 39-40
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

CuSO₄ α-naphthol



Aliquot Information:

20 x 5.0 mg = 100.0 mg
4 x 50.0 mg = 200.0 mg
300.0 mg

Dan Cutler 10/15/15
(Research Associate) date

C. Heppner 10/16/15
(Laboratory Supervisor) date