Certificate of Analysis for NR-48697

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
M. tuberculosis, Strain H37Rv, Total Lipids (hypoxic culture)	NR-36508 lot 70026906	01JUL2019	19.Rv.hypo.06.21.01.TL
M. tuberculosis, Strain H37Rv, Total Lipids (normoxic culture)	NR-36509 lot 70026907	28JUN2019	19.Rv.nor.06.20.01.TL

Lot: 70034083

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lots 19.Rv.hypo.06.21.01.TL and 19.Rv.nor.06.20.01.TL is attached. The kit was assembled by BEI Resources on 27OCT2020.

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.

Support Provided by NIAID

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WORK SHEET FOR PURIFIED TOTAL LIPID (TLIP)

General Information

BEI Catalog Number: NR-36508
CSU Lot Number: 19.Rv.hypo.06.21.01.TL
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

Purification Information

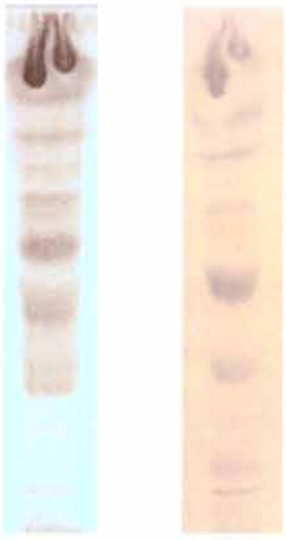
Starting material: H37Rv cells Starting Material Lot #: 18.Rv.2.11.31.Hypo
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018.1, PP036.1, SP031, SP033
Date started: 6/11/19
Date completed: 07/01/19
Notebook; page(s): Total Lipids 1 pp 74-78, 81, 83-86
Additional notes: The original pellet was 25g wet weight, The remaining pellet used for hypoxic TL was 12.1g wet weight and lyophilized to 1.3g, then extracted 3X with 80 mL 2:1. Applied 200ug Folch-washed lipid to duplicate TLCs for differential staining.

Quality Control Information:

Total amount of TL: 88.7mg Date dried on N_2 bath: 07/01/19
TLC date: 6/21/19 Notebook and page(s): Total Lipids 1 pp 81
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

$CuSO_4$ α-naphthol



Aliquot Information: 35 x 1.0mg, 15 x 1.0mg, 1 x 25mg, 1 x 8.4mg, 1 x 5.3mg

Kala Early 7/12/19
(Research Associate) date

C. Mehaffy 7/15/19
(Laboratory Supervisor) date

WORK SHEET FOR PURIFIED TOTAL LIPID (TLIP)

General Information

BEI Catalog Number: NR-36509
CSU Lot Number: 19.Rv.nor.06.20.01.TL
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

Starting material: H37Rv cells Starting Material Lot #: 18.Rv.2.11.31.Norm
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP018.1, PP036.1, SP031, SP033
Date started: 6/12/19
Date completed: 6/28/19
Notebook; page(s): Total Lipids 1 pp 74, 79
Additional notes: A 62.5 g wet weight pellet was lyophilized to 8.8 g, then extracted 3X with 265 mL 2:1. Applied 100 µg Folch-washed lipid to duplicate TLCs for differential staining.

Quality Control Information:

Total amount of TL: 393.4 mg Date dried on N_2 bath: 6/28/19
TLC date: 6/20/19 Notebook and page(s): Total Lipids 1 pp 80-82
TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

$CuSO_4$ α-naphthol

Aliquot Information:

35 x 1.0 mg = 35.0 mg
7 x 50.0 mg = 350.0 mg
1 x 8.4 mg = 8.4 mg
393.4 mg

D. C. Fisher 6/28/19
(Research Associate) date

C. Mehaffy 7/1/19
(Laboratory Supervisor) date