

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
<i>M. tuberculosis</i> , Strain H37Rv, Total Lipids (hypoxic culture)	NR-36508 lot 62575039	08MAY2013	14.Rv.hyp.05.7.01.TL
<i>M. tuberculosis</i> , Strain H37Rv, Total Lipids (normoxic culture)	NR-36509 lot 62575040	08MAY2013	14.Rv.nor.05.7.01.TL

Lot: 62761398

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lots 14.Rv.hyp.05.7.01.TL and 14.Rv.nor.05.7.01.TL is attached. The kit was assembled by BEI Resources on 16JUL2014.

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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You are authorized to use this product for research use only. It is not intended for human use.



WORK SHEET HYPOXIC TOTAL LIPID

General Information

Product Lot Number: 14.Rv.hyp.05.7.01.TL

Species: M. tuberculosis

Purification Information

Starting Material Lot #: 14.Rv.2.1.27.5.WCg

Protocol used (SOP #'s): PP018, SP031, SP033

Date started: 4/28/14

Date completed: 5/8/14

Notebook; page(s): Total Lipids Notebook 1 pp16-18

Quality Control Information:

Total volume: 64.05 ml

Total amount of TLIP: 128.1 mg

Date dried on N₂ bath: 5/8/14

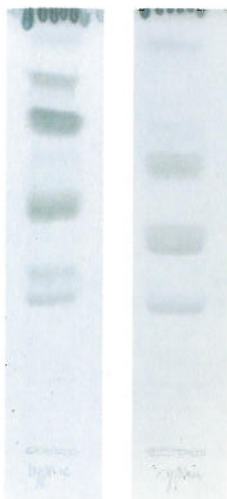
TLC date: 5/7/14

Notebook and page(s): Total Lipids Notebook 1 pp 19-21

TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

CuSO₄ α -naphthol



Loaded with 100 ug Foch-washed total lipid.

Aliquot information

40 x 1.0 mg = 40.0 mg

1 x 8.1 mg = 8.1

4 x 20.0 mg = 80.0

128.1 mg

Dan C. Dean
(Research Associate)

5/8/14
date

[Signature]
(Laboratory Supervisor)

5/8/2014
date

WORK SHEET NORMOXIC TOTAL LIPID

General Information

Product Lot Number: 14.Rv.nor.05.7.01.TL

Species: M. tuberculosis

Purification Information

Starting Material Lot #: 14.Rv.2.1.27.5.WCg harvested 2/6/14

Protocol used (SOP #'s): PP018, SP031, SP033

Date started: 4/28/14

Date completed: 5/8/14

Notebook; page(s): Total Lipids Notebook 1 pp16-18

Quality Control Information:

Total volume: 27.3 ml

Total amount of TLIP: 54.6 mg

Date dried on N₂ bath: 5/8/14

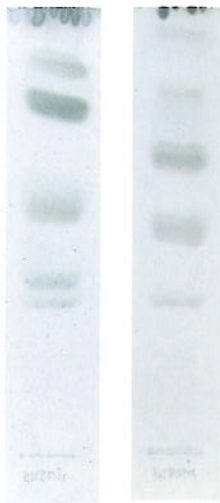
TLC date: 5/7/14

Notebook and page(s): Total Lipids Notebook 1 pp 19-21

TLC Solvent System: 65/25/4 chloroform/methanol/water

QC TLC:

CuSO₄ α -naphthol



Loaded with 100 ug Foch-washed total lipid.

Aliquot information

40 x 1.0 mg = 40.0 mg

1 x 14.1 mg = 14.6
54.6 mg

Dan C. Jagan 5/8/14
(Research Associate) date

[Signature] 5/8/14
(Laboratory Supervisor) date