

Mycobacterium tuberculosis*, strain H37Rv, Purified Mycolic Acid Methyl Esters*Catalog No. NR-14854**

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Product Description: NR-14854 contains a preparation of mycolic acid methyl esters (MAME) that were purified from the mycolyl-arabinogalactan peptidoglycan (mAGP) complex of *Mycobacterium tuberculosis*. mAGP was subjected to alkaline hydrolysis and the mycolic acids were collected and neutralized. Chloroform and water are added to the mycolic acid suspension to form a biphasic partition, and the organic fraction containing mycolic acid is collected and dried.

Lot: 61535058**Manufacturing Date: 05FEB2015**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.Rv.02.3.01.MAME.jg1 is attached.

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WORK SHEET FOR PURIFIED MYCOLIC ACID METHYL ESTERS (MAME)

General Information

Lot Number: 15.Rv.02.3.01.MAME.jg1
Species: M. tuberculosis
Strain: H37Rv

Purification Information

Starting material: 13.Rv.05.14.01.mAGP 281.5 mg
Protocol used (SOP #'s): PP014, SP031, SP033
Date started: 1/21/15
Date completed: 2/5/15
Notebook; page(s): Native Cell Wall Materials II pp 45-46 and JG Notebook 1 pp 4-6

Quality Control Information:

Total amount of MAME: 59.4 mg
Date dried on N₂ bath: 2/5/15 TLC date: 2/3/15
Notebook and page(s): Native Cell Wall Materials II 47-48 and JG Notebook 1 pp 5-6

QC TLC:

Loaded 20µg MAME and developed in 95/5 petroleum ether/ ethyl ether x6. Stained with CuSO₄.

Aliquot Information:

50 x 1.0 mg = 50.0 mg
1 x 9.4 mg = 9.4
59.4 mg

[Signature] 2/5/15
(Research Associate) date
Danny C. Jensen 2/5/15

[Signature] 2/6/15
(Laboratory Supervisor) date