

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: 70000497**Manufacturing Date: 06FEB2017**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.2.6.01.MAME is attached.

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WORK SHEET FOR PURIFIED MYCOLIC ACID METHYL ESTERS (MAME)

General Information

Lot Number: 17.Rv.2.6.01.MAME
Species: M. tuberculosis
Strain: H37Rv

Purification Information

Starting material: 13.Rv.05.14.01.mAGP 298.0 mg
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP014, SP031, SP033
Date started: 1/31/17
Date completed: 2/6/17
Notebook; page(s): Native Cell Wall Materials II p 57

Quality Control Information:

Total amount of MAME: 49.85 mg TLC date: 2/6/17 Notebook and page(s): NCWM II p58
TLC solvent system: 95/5 petroleum ether/ ethyl ether x6

QC TLC:



Applied 50 µg 17.Rv.2.6.01.MAME and developed in TLC system above. Stained with CuSO₄ charring.

Aliquot Information:

30 x 1.0 mg = 30.0 mg
1 x 19.8 mg = 19.8 mg
49.8 mg

Dan C. Jansen 2/7/17
(Research Associate) date

C. McHaffey 2/7/17
(Laboratory Supervisor) date