

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

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

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: 61056057**Manufacturing Date: 06JUN2012**

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation for the bulk lot 12.Rv.06.5.01.dh3.MAME is attached.

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WORK SHEET FOR PURIFIED MYCOLIC ACID METHYL ESTERS (MAME)

General Information

Lot Number: 12.Rv.06.5.01.dh3.MAME
Species: M. tuberculosis
Strain: H37Rv

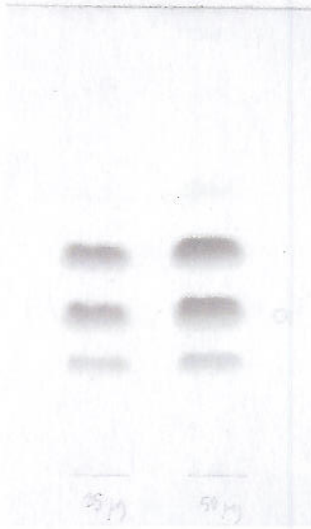
Purification Information

Starting material: mAGP 531.7 mg
Lot number: 09.Rv.04.23.01.b.mAGP
Protocol used (SOP #'s): PP014, SP031, SP033
Date started: 6/4/12
Date completed: 6/6/12
Notebook; page(s): Native Cell Wall Materials II pp 27-28

Quality Control Information:

Total volume: 5.2 ml Total amount of MAME: 26.0 mg
Date dried on N₂ bath: 6/6/12 TLC date: 2/5/12
Notebook and page(s): Native Cell Wall Materials II p29

QC TLC:



Loaded 25 ug or 50 µg MAME and developed in 95:5 petroleum ether/ ethyl ether x6. Stained with CuSO₄.

Aliquot Information:

26 x 1.0 mg = 26.0 mg

Danny Cojocaru 6/6/12
(Research Associate) date

[Signature] 6/14/2012
(Laboratory Supervisor) date