

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: 60994443**Manufacturing Date: 01FEB2011**

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 11.Rv.02.1.01.dh2.MAME is attached.

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WORK SHEET FOR PURIFIED MYCOLIC ACID METHYL ESTERS (MAME)

General Information

Lot Number: 11.Rv.02.1.01.dh2.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: 1/27/11
Date completed: 2/1/11
Notebook; page(s): Native Cell Wall Materials II pp 9-11

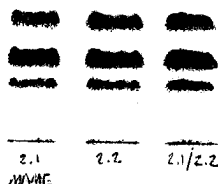
Additional notes: Mycolic acids were obtained during preparation of peptidoglycan lot 10.Rv.2.12.28.01.PG. They were dried and kept at 4°C prior to removal of contaminating salts.

Quality Control Information:

Total volume: 3.84 ml Total amount of MAME: 96.0 mg
Date dried on N₂ bath: 2/2/11 TLC date: 2/1/11
Notebook and page(s): Native Cell Wall Materials II p12

QC TLC:

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



Aliquot Information:

4 x 20.0 mg = 80.0 mg
1 x 16.0 mg = 16.0
96.0 mg

Danny C. J. Jansen 2/2/11
(Research Associate) date

[Signature] 2/4/11
(Laboratory Supervisor) date