

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*, strain H37Rv. 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: 70053421**Manufacturing Date: 23FEB2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 23.Rv.02.21.05.MAME is attached.

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WORK SHEET FOR PURIFIED MYCOLIC ACID METHYL ESTERS (MAME)

General Information

Lot Number: 23.Rv.02.21.05.MAME
 Species: M. tuberculosis
 Strain: H37Rv

Purification Information

Starting Material: 13.Rv.05.14.01.mAGP, bulk tube 5
 Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
 Protocol Used (SOP #'s): PP014, SP031, SP033
 Date Started: 2/8/2023
 Date Completed: 2/23/2023
 Notebook; page(s): Notebook #2 pp.1-5

Quality Control Information:

Total Amount of MAME: 80.6 mg TLC date: 2/21/2023 Notebook and Page(s): Notebook #2 pp. 5-6
 TLC Solvent System: 95:5 petroleum ether : diethyl ether x 6

QC TLC:

Applied 40.3 μ g 23.Rv.02.21.05.MAME and developed in TLC system above. Stained with CuSO_4 charring spray.



Aliquot Information:

20 x 1.0 mg = 20 mg
1 x 60.6 mg = 60.6 mg
 80.6 mg

PA Staudmann 2/27/23
 (Research Associate) date

[Signature] 2/27/23
 (Laboratory Supervisor) date