

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: 70072666**Manufacturing Date: 31MAR2025**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 25.Rv.03.31.MAME is attached.

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WORK SHEET FOR PURIFIED MYCOLIC ACID METHYL ESTERS (MAME)

General Information

Lot Number: 25.Rv.03.31.MAME
Species: M. tuberculosis
Strain: H37Rv

Purification Information

Starting material: 25.Rv.02.12.mAGP bulk vial # 4 (see LNieto BEI notebook 1 page 77).
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP014, SP031 and SP033
Date started: 02/10/2025
Date completed: 03/31/2025
Notebook; page(s): LNieto BEI notebook 1, pages 80-82

Quality Control Information:

Total amount of MAME: 494.4 mg TLC date: 03/31/2025 Notebook and Page(s): LNieto BEI # 1, p 82
TLC Solvent System: 95:5 petroleum ether: diethyl ether x 6.

QC TLC:



Applied 40 ug 25.Rv.03.31.MAME and developed in TLC system above. Stained with CuSO₄ charring spray.

Aliquot Information:

Bulk vials reflect aliquots made at the time of QC. These vials will be broken down as needed.

24 x 1.0 mg = 24.0 mg

Bulk vials

1 x 158.9 mg = 158.9 mg

1 x 128.8 mg = 128.8 mg

1 x 123.2 mg = 123.2 mg

1 x 59.5 mg = 59.5 mg

494.4 mg

Luisa Jairo Victor 03/31/25
(Research Scientist) date

[Signature] 03/31/2025
(Laboratory Supervisor) date