

Mycobacterium tuberculosis*, Strain H37Rv, Purified Trehalose Dimycolate (TDM)*Catalog No. NR-14844**

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Product Description:

NR-14844 is a preparation of purified trehalose dimycolate (TDM) that was extracted from the lipid fraction obtained from irradiated *Mycobacterium tuberculosis*, strain H37Rv cells.

Lot: 70045509**Manufacturing Date: 29SEP2021**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 21.Rv.09.28.01.TDM is attached.

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WORK SHEET FOR PURIFIED TREHALOSE DIMYCOLATE (TDM)

General Information

BEI Catalog Number: NR-14844
CSU Lot Number: 21.Rv.09.28.01.TDM
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

Starting material: 2:1 total lipid
Lot number: 17.Rv.2.11.1.11.WCg.a
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP029.2, SP031, SP032, SP033, SP037
Date started: 8/30/21
Date completed: 9/29/21
Notebook; page(s): TDM/SL 4 pp 76-88
Additional notes (if applicable): 2:1 total lipid was enriched for TDM through a silica flash column scheme, then isolated by running 12 preparative TLC plates. The crude TDM was cleaned via C18 SepPak columns.

Quality Control Information:

Total amount of TDM: 5.7 mg Date dried on N₂ bath: 9/29/21
TLC date: 9/28/21 Notebook and page(s): TDM/SL 4 pp 89-96

QC TLC:



Developed 50 μ g first dimension (left to right) in 100/14/0.8 chloroform/ methanol/ water; second dimension (bottom to top) in 90/10 chloroform/water.

Stained with CuSO₄ and charring.

Aliquot Information:

20 x 0.25 mg = 5.0 mg
1 x 0.70 mg = 0.7 mg
5.7 mg

Dan W. Desser 9/29/21
(Research Associate) date

C. P. Lehaffy 10/01/21
(Laboratory Supervisor) date