

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

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

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. Following purification steps, the TDM was dried under nitrogen gas.

Lot: 70034340**Manufacturing Date: 06APR2020**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 20.Rv.04.06.03.TDM is attached.

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WORK SHEET FOR PURIFIED TREHALOSE DIMYCOLATE (TDM)

General Information

BEI Catalog Number: NR-14844
CSU Lot Number: 20.Rv.04.06.03.TDM
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

Starting material: H37Rv Whole Cells
Lot number: 17.Rv.2.10.18.10.WCg.a
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): PP029.2, SP031, SP032, SP033, SP037
Date started: 03/11/20
Date completed: 04/06/20
Notebook; page(s): Lipids 9 pgs. 74-86

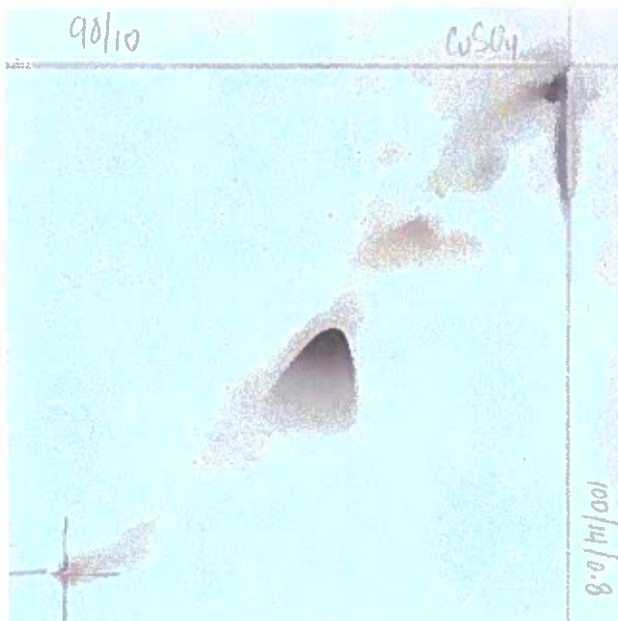
Quality Control Information:

Total amount of TDM: 4.0 mg Date dried on N₂ bath: 04/07/20
TLC date: 04/06/20 Notebook and page(s): Lipids 9 pg. 85-86

TLC Analysis:

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

Stained with CuSO₄ and charring.



Aliquot Information:

16 x 0.25 mg = 4.0 mg total

Kala Early 04/06/20
Research Associate date

C. J. Lehman 4/6/20
Laboratory Supervisor date