

Mycobacterium tuberculosis*, Strain H37Rv, Purified Phthiocerol Dimycocerosate (PDIM)*Catalog No. NR-20328**

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Product Description:

NR-20328 is a preparation of phthiocerol dimycocerosate (PDIM) derived from the total cellular lipids of irradiated *Mycobacterium tuberculosis*, strain H37Rv.

Lot: 70037235**Manufacturing Date: 13JUN2019**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 21.Rv.3.13.01.PDIM is attached.

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WORK SHEET FOR PURIFIED LIPID FRACTION

General Information

BEI Catalog Number: NR-20328
CSU Lot Number: 21.Rv.3.13.01.PDIM
Fraction Type: pthiocerol dimycoerolate
Species: M. tuberculosis
Strain: H37Rv

Purification Information

Starting material: 2:1 TL Starting Material Lot #: 17.Rv.2.11.1.11.WCg.a
Cells Irradiated: Yes Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s): SP031, SP032, SP033, SP037.4
Date started: 4/3/19
Date completed: 6/13/19
Notebook; page(s): PDIM 2 pp 84-86

Additional notes: Total lipid from H37Rv was applied to 20 preparative TLC plates and extracted. Crude PDIM was further purified by an additional two rounds of preparative plate extractions.

Quality Control Information:

Total amount of PDIM : 28.9 mg MALDI-TOF completed: N/A
TLC date: 3/13/21 Date dried on N₂ bath: 4/12/21
Notebook and page(s): PDIM 2 pp 87-88

TLC Analysis:



Loaded 50 ug and ran in dimensions below:

- 1st 98/2 petroleum ether/ethyl acetate (x2)
- 2nd 99/1 petroleum ether/acetone

Aliquot Information

$56 \times 0.5 \text{ mg} = 28.0 \text{ mg}$
 $1 \times 0.9 \text{ mg} = 0.9 \text{ mg}$
28.9 mg

Don C. Johnson 4/16/21
(Research Associate) date

C. McHaffey 4/20/21
(Laboratory Supervisor) date