

Certificate of Analysis for NR-20328

Mycobacterium tuberculosis, Strain H37Rv, Purified Phthiocerol Dimycocerosate (PDIM)

Catalog No. NR-20328

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

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.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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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 dimycocerosate
Species:	M. tuberculosis
Strain:	H37Rv

Purification Information

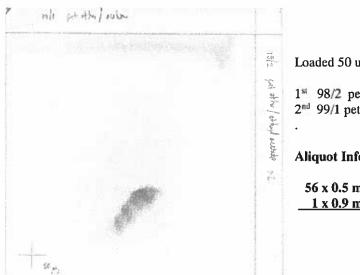
Starting material: 2:1 TL	Starting Material Lot #:17.Rv.2.11.1.11.WCg.a
Cells Irradiated: Yes	Viability Test Performed: No Viable Organism Detected
Protocol used (SOP #'s):	SP031, SP032, SP033, SP037.4
Date started:	4/3/19
Date completed:	6/13/19
Notebook; page(s):	PDIM 2 pp 84-86

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:

 1^{st} 98/2 petroleum ether/ethyl acetate (x2) 2^{nd} 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

4/16/21 Co Jum (Research Associate)