

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: 70072669**Manufacturing Date: 06APR2026**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 26.H37Rv.04.06.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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Quality Control Work Sheet

Microbiology and Infectious Diseases Biological Research Repository (MID-BRR)

Item No.	2004, 2005 (Crude and Purified Lipids)	Product's Name	Phthiocerol Dimycocerosate (PDIM)		
Product Information (Crude and Purified Lipids)					
BEI Catalog Number	BEI Lot Number	Product Description	Species	Strain	CSU Lot Number
NR-20328	70072669	Dried	<i>Mycobacterium tuberculosis</i>	H37Rv	26.H37Rv.04.06.PDIM
Inactivation Information					
Starting Material		26.H37Rv.02.19.TL			
Filter Sterilization		Gamma Irradiation	Heat Inactivation	Chemical Treatment	
N/A		Yes	N/A	N/A	
Verification of Inactivation /Viability testing			No viable organisms detected		
Production Process					
Protocols Used (SOP Numbers)			Notebook(s) and Page(s)		
PP037.3, R011, SP032, SP033, SP037.1, SP031			Kendall Goldmann Notebook #2 BEI pgs. 13-38		
Date Started	01/29/26		Date Completed	04/06/26	

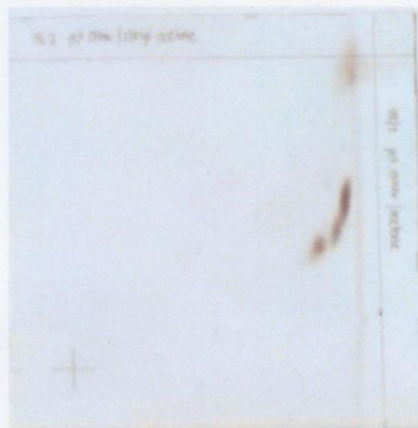
Quality Control Information		
Total Product Volume:	20mL	Notebook and Page Numbers: Kendall Goldmann Notebook #2 BEI pg. 33
Date Dried on Rotovapor:	N/A	
Date Dried on N2 bath:	04/03/26	Notebook and Page Numbers: Kendall Goldmann Notebook #2 BEI pg. 38
Total Dried Weight (mg):	11.65mg	Notebook and Page Numbers: Kendall Goldmann Notebook #2 BEI pg. 38
TLC Solvent System:	98:2 Petroleum ether: ethyl acetate (2x), 98:2 Petroleum ether: acetone	
Date MALDI Performed:	03/31/26	Notebook and Page Numbers: Kendall Goldmann Notebook #2 BEI pg. 35-37

TLC IMAGES

98:2 petroleum ether: ethyl acetate (x2) - top

98:2 petroleum ether: acetone - right

22.4µg plated, sprayed with CuSO₄ Charring Spray

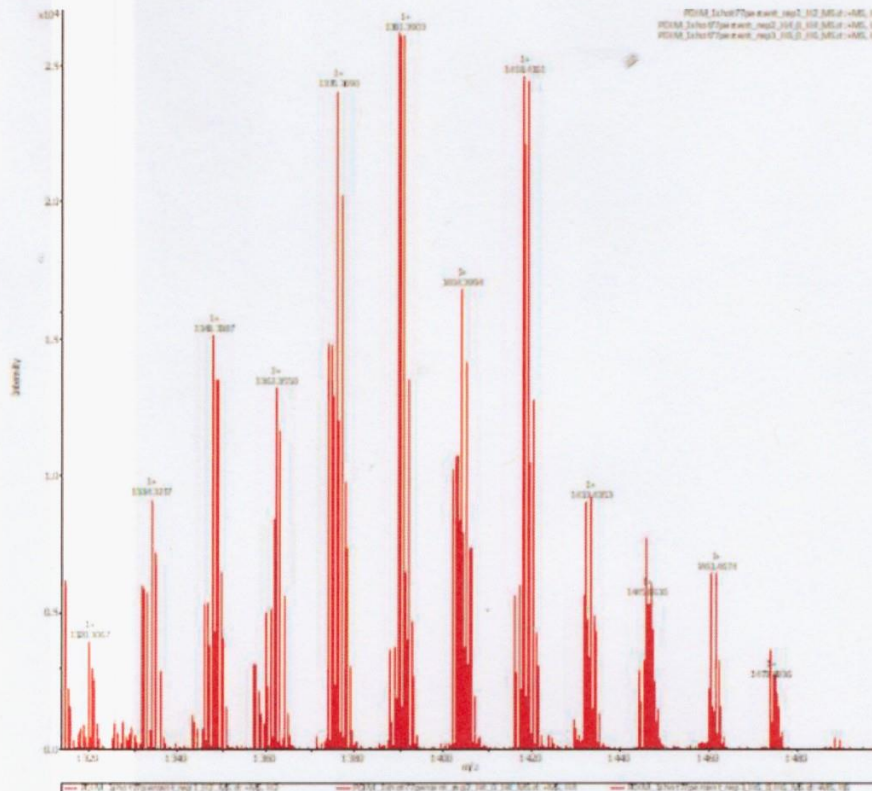




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MALDI-TOF



Loaded 1 μ g PDIM at 1 μ g/ μ L in 10mg/mL DHB diluted in 2:1 chloroform: methanol on MALDI plate.
Analyzed in positive mode.

Aliquot Information

*Aliquot information reflects those made at the time QC. Bulk aliquots will be broken down as needed.

0.5mg x 21 vials

Remaining PDIM (<0.5mg) stored in bulk

Kendall Goldman 4/27/26

Research Associate Sign.

Date

[Signature]

Lab. Supervisor Sign.

04/27/2026

Date