

Certificate of Analysis for NR-14819

Mycobacterium tuberculosis, Strain H37Rv, Gamma-Irradiated Whole Cells

Catalog No. NR-14819

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

Product Description: *Mycobacterium tuberculosis*, strain H37Rv, was grown to late-log phase in glycerol-alanine-salts medium and inactivated by exposure to 2.4 megaRads of ionizing gamma irradiation using a ¹³⁷Cs source.

Lot: 63291506 Manufacturing Date: 13OCT2014

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lot 14.Rv.2.8.12.9.WCg.b 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 γ-IRRADIATED CELLS

General Information Lot Number: __14.Rv.2.8.12.9.WCg.b Species: M. tuberculosis Strain: H37Rv **Growth Conditions:** Medium: GAS # of Roller bottles: 40 # of Fernbachs: 8 Inoculation Date: 8.12.14 Harvest Date: 8.26.14 SOP # used for Harvest: PP003.3 1/11/13 version Wet Weight: 87.6g Date irradiated: 10.13.14 By: JB Alamar Blue QC Information Date Started: 11.5.14 Date Checked: 11.7.14 Positive Control: Positive X Negative Sample: Positive_____ Negative__X___ **Aliquot Information** 87.6g in 230ml falcon tube (Research Associate)

48 hr 570/600	11-7-14.						1. 00		Sample		Pos. Cont.			OD .1	Sample	1,40		
	0.73	0.73	0.73	0.74			OD.0001	0.00	0.00	0.00	0.00		24hr Average	OD.0001	0.00	000		
	0.73	0.73	0.73	0.75			0D .001	0.00	0.00	0.00	0.05			0D .001	00.0	0.00		
/600	0.74	0.74	0.74	0.86		24hr Minus Blank	10. do	0.00	0.00	0.00	0.12			0D .01	00.0	0.12		
24hr 570/600	0.78	0.78	0.78	1.80		24hr	0D .1	0.04	0.05	0.05	1.07		24	1. do	0.04	1 07		
	11-6-14.								Sample		Pos. Cont.				Sample	Poc Ctrl		
0	0.72 0.73	0.72 0.73 0.72	0.73 0.71 0.72	0.76 0.72 0.73		Blank	1 OD .001 OD .0001	0.00 0.00 0.01	0.00 0.00 -0.01	0.00 -0.01	0.03 -0.01 0.00		Initial Average	1 OD .001 OD .0001	0.00 0.00 0.00	000 -001		
	7.	0				Initial Minus Blank	10. do							10. do				
220/600	0.73			0.77		Initial	Initia	Initia	1. do	0.04	0.04	0.04	0.05		ini	1. do	0.04	0.05
Initial 0 hr 570/600	57.0 77.0	92.0	0.76	0						_				-	_	⊢		

e Sample .1	- Sample .01	Pos.1	— ■ — Pos.01	Linear (Sample .1)	Linear (Sample .01)	Linear (Pos .1)	——————————————————————————————————————		y = 0.0607x - 0.0992	y = 0.0045x + 0.027	y = 0.0006x + 0.0356	y = 0.0001x + 0.0008
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			11								50	
570/600 vs Time											30 40	Hours after setup
										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20	
							2				10	
	3.50	***************************************	3.00	2.50	2.00	ım-Blank	619vA 1000a\mn0 0003	1:00	0.50		00:00	-0.50