

***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 <sup>137</sup>Cs source.

**Lot: 61757225****Manufacturing Date: 15APR2013**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for bulk lot 13.Rv.2.3.26.9.WCg.b is attached.

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WORK SHEET FOR  $\gamma$ -IRRADIATED CELLS

General Information

Lot Number: 13.Rv.2.3.26.9.WCg.b  
Species: M. tuberculosis  
Strain: H37Rv

Growth Conditions: Medium: GAS  
# of Fernbachs: 8 # of Roller bottles: 40  
Inoculation Date: 3.26.13 Harvest Date: 4.9.13  
SOP # used for Harvest: PP003.3 1/11/13 version

Wet Weight: 109.6g

Date irradiated: 4.15.13 By: JB

Alamar Blue QC Information

Date Started: 4.24.13 Date Checked: 4.26.13

Positive Control: Positive X Negative       


OD =.1 change: 0.0307

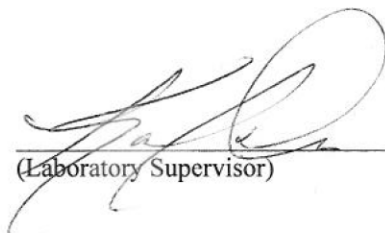
Sample: Positive        Negative X

OD=.1 change: -0.0004

Aliquot Information

1 x 109.6g in 230ml falcon tube

  
\_\_\_\_\_  
(Research Associate) 4-29-13  
(date)

  
\_\_\_\_\_  
(Laboratory Supervisor) 5/1/2013  
(date)

Initial 0 hr 570/600					
raw	4-24-13	0.99	0.98	0.99	1.00
13.Rv.2.3.26.9.WCg.b		1.00	0.97	0.93	0.87
		0.95	0.92	0.90	0.84
		0.99	1.00	0.94	0.87

24hr 570/600					
	4-25-13	0.74	0.72	0.72	0.72
		0.78	0.72	0.71	0.70
		0.83	0.73	0.72	0.72
		3.17	0.99	0.74	0.72

48 hr 570/600					
	4-26-13	0.86	0.85	0.87	0.80
		0.91	0.83	0.85	0.75
		0.96	0.85	0.84	0.80
		2.42	1.20	0.87	0.82

Initial Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.12	0.11	0.11	0.12
	0.12	0.10	0.08	-0.01
	0.08	0.05	0.03	-0.04
Pos. Cont.	0.11	0.12	0.07	0.00

24hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.00	0.00	0.00
	0.06	0.00	-0.01	-0.02
	0.11	0.01	0.00	0.00
Pos. Cont.	2.45	0.27	0.02	0.00

48hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.03	0.03	0.05	-0.03
	0.08	0.01	0.02	-0.08
	0.14	0.02	0.01	-0.03
Pos. Cont.	1.59	0.37	0.04	-0.01

Initial Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.11	0.08	0.06	0.02
Pos. Ctrl.	0.11	0.12	0.07	0.00

24hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.07	0.00	0.00	-0.01
Pos. Ctrl.	2.45	0.27	0.02	0.00

48hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.08	0.02	0.03	-0.05
Pos. Ctrl.	1.59	0.37	0.04	-0.01

	Sample .1	Sample .01	Pos .1	Pos .01
0	0.11	0.08	0.11	0.12
24	0.07	0.00	2.45	0.27
48	0.08	0.02	1.59	0.37

