

Mycobacterium tuberculosis*, Strain H37Rv, Gamma-Irradiated Whole Cells*Catalog No. NR-14819**

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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: 62205398**Manufacturing Date: 08APR2011**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for bulk lot 11.Rv.2.3.21.7.B.WCg is attached.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 11.Rv.2.3.21.7.B.WCg

Species: M. tuberculosis

Strain: H37Rv

Growth Conditions: Medium: GAS
of Fernbachs: 8 # of Roller bottles: 40
Inoculation Date: 03.21.11 Harvest Date: 04.04.11
SOP # used for Harvest: PP003.5/9/08 version

Wet Weight: 41.0g

Date irradiated: 04.08.11 By: CW

Alamar Blue QC Information

Date Started: 07.12.11 Date Checked: 07.14.11

Positive Control: Positive x Negative _____

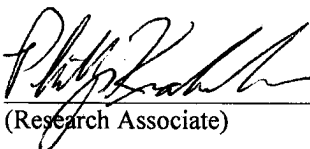
OD_{positive} = 1 Y value: 0.0523

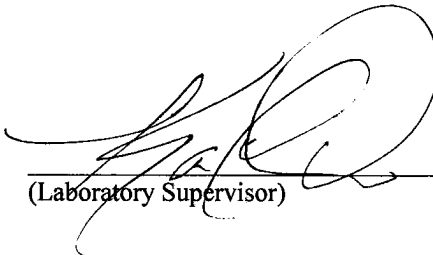
Sample: Positive _____ Negative x

OD_{sample} = 1 Y value: 0.0096

Aliquot Information

1 x 41.0 g in 230ml falcon tube

 08.01.11
(Research Associate) (date)

 8-02-11
(Laboratory Supervisor) (date)

Initial 0 hr 570/600					
0.79	0.95	0.82	0.79	0.78	0.77
1.03	1	0.79	0.74	0.73	0.73
1	0.97	0.74	0.72	0.7	0.73
1.03	1.13	0.73	0.67	0.68	0.69

Initial Minus Blank					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.03	0	-0.01	-0.02	
	0	-0.05	-0.06	-0.06	
	-0.05	-0.07	-0.09	-0.06	
Pos. Cont.	-0.06	-0.12	-0.11	-0.1	

Initial Average					
	OD .1	OD .01	OD .001	OD.0001	
Sample	-0.006667	-0.04	-0.0533333	-0.046667	
Pos. Ctrl.	-0.06	-0.12	-0.11	-0.1	
48 hr 570/600					
0.75	0.99	1.3	0.82	0.75	0.74
1	1.01	1.14	0.8	0.75	0.74
1	1.01	1.17	0.8	0.75	0.74
1	0.85	3.2	0.95	0.78	0.75

48hr Minus Blank					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.55	0.07	0	-0.01	
	0.39	0.05	0	-0.01	
	0.42	0.05	0	-0.01	
Pos. Cont.	2.45	0.2	0.03	0	

48hr Average					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.4533333	0.056667	0	-0.01	
Pos. Ctrl.	2.45	0.2	0.03	0	

24hr 570/600					
0.73	0.99	1.08	0.79	0.74	0.73
1.03	1.03	1.04	0.78	0.74	0.73
1	0.99	1.04	0.78	0.74	0.73
1	0.91	1.75	0.84	0.75	0.74

24hr Minus Blank					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.35	0.06	0.01	0	
	0.31	0.05	0.01	0	
	0.31	0.05	0.01	0	
Pos. Cont.	1.02	0.11	0.02	0.01	

24hr Average					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.323333	0.053333	0.01	0	
Pos. Ctrl.	1.02	0.11	0.02	0.01	

	Sample .1	Sample .01	Pos .1	Pos .01
0	-0.00667	-0.04	-0.06	-0.12
24	0.323333	0.053333	1.02	0.11
48	0.453333	0.056667	2.45	0.2

570/600 vs Time

