

Mycobacterium tuberculosis, Strain H37Rv, Gamma-Irradiated Whole Cells Kit Containing Hypoxic and Normoxic Cultures

Catalog No. NR-48696

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

Product Description: NR-48696 is a kit comprised of gamma irradiated cells from two preparations of *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv.

KIT COMPONENT	BEI RESOURCES PRODUCT AND LOT NUMBERS	CSU LOT NUMBER	MANUFACTURING DATE
<i>M. tuberculosis</i> , Strain H37Rv, Irradiated Cells (hypoxic culture)	NR-36493 lot 61449181	13.Rv.2.1.17.4.WCg.Hypoxic	04MAR2013
<i>M. tuberculosis</i> , Strain H37Rv, Irradiated Cells (normoxic culture)	NR-36494 lot 61449182	13.Rv.2.1.17.4.WCg.Normoxic	18FEB2013

Lot: 62689360

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lots 13.Rv.2.1.17.4.WCg.Hypoxic and 13.Rv.2.1.17.4.WCg.Normoxic is attached. The kit was assembled by BEI Resources on 16JUL2014.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 13.Rv.2.1.17.4.WCg.Hypoxic

Species: M. tuberculosis

Strain: H37Rv

Growth Conditions:

Medium: GAS

of Fermentors: 1

Inoculation Date: 1.17.13

Harvest Date: 1.24.13

SOP # used for Harvest: PP0040 1/11/13 version

Wet Weight: 6.2g

Date irradiated: 3.4.13 By: JB

Alamar Blue QC Information

Date Started: 3.13.13 Date Checked: 3.15.13

Positive Control: Positive X Negative


OD =.1 change: 0.0208

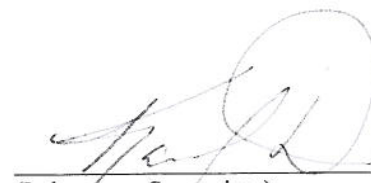
Sample: Positive Negative X

OD=.1 change: 0.0004

Aliquot Information

1 x 6.2g in 230ml falcon tube


(Research Associate) 3-22-13
(date)


(Laboratory Supervisor) 3/22/2013
(date)

Initial 0 hr 570/600				
raw	3-13-13.	0.72	0.71	0.71
	13.Rv 2.1.17.4.WCg.Hyp	0.72	0.71	0.70
		0.72	0.70	0.71
		0.75	0.71	0.72

Initial Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.00	0.01	0.00
	0.01	0.00	0.00	0.00
	0.01	0.00	0.00	-0.01
Pos. Cont.	0.04	0.00	0.00	0.01

Initial Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.01	0.00	0.00	0.00
Pos. Ctrl.	0.04	0.00	0.00	0.01

Sample .1	Sample .01	Pos .1	Pos .01
0	0.01	0.00	0.04
24	0.02	0.00	0.45
48	0.03	0.00	1.04

24hr 570/600				
	3-14-13.	0.75	0.73	0.72
		0.75	0.73	0.73
		0.74	0.72	0.72
		1.18	0.78	0.75

24hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.00	0.00	0.00
	0.03	0.00	0.00	0.00
	0.01	-0.01	-0.01	-0.01
Pos. Cont.	0.45	0.05	0.02	0.01

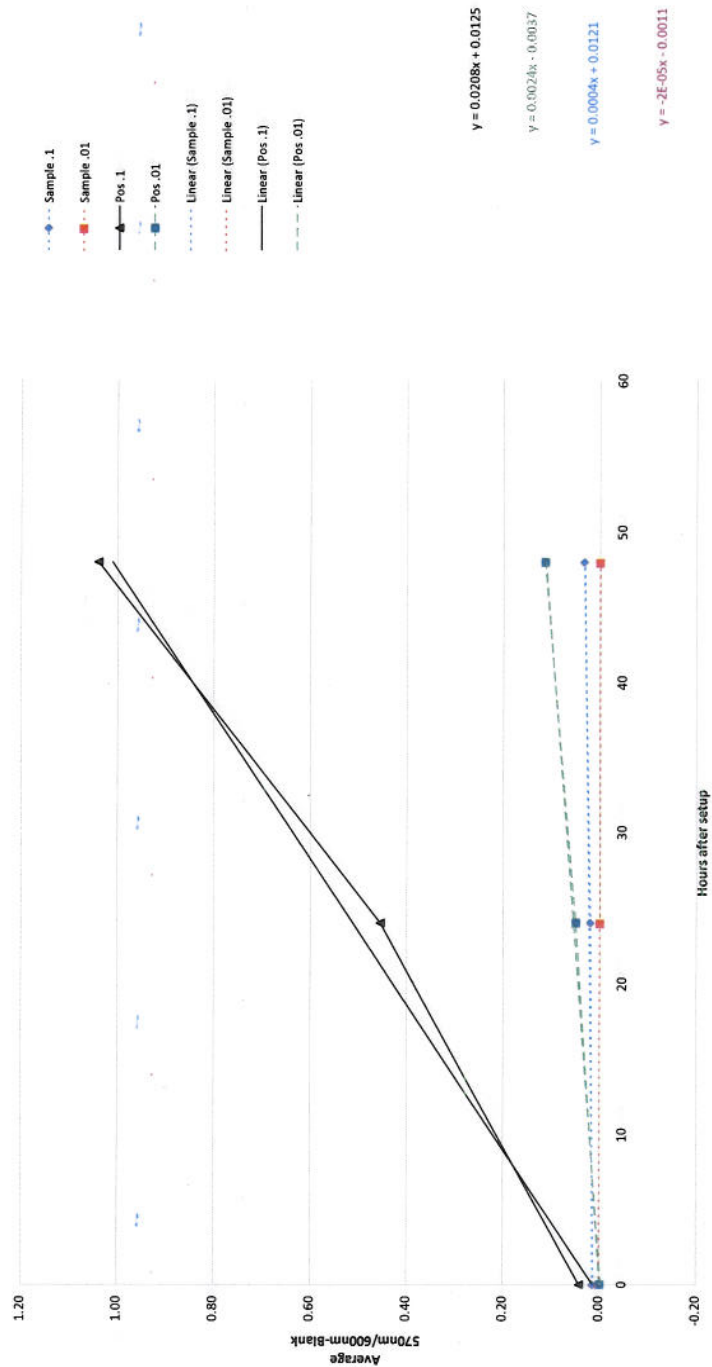
24hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.00	-0.01	0.00
Pos. Ctrl.	0.45	0.05	0.02	0.01

48 hr 570/600				
	3-15-13.	0.76	0.74	0.73
		0.78	0.74	0.74
		0.77	0.73	0.73
		1.78	0.85	0.76

48hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.03	0.00	0.00	-0.01
	0.04	0.01	0.01	0.00
	0.03	-0.01	0.00	-0.01
Pos. Cont.	1.04	0.11	0.03	0.02

48hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.03	0.00	0.00	-0.01
Pos. Ctrl.	1.04	0.11	0.03	0.02

570/600 vs Time



WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 13.Rv.2.1.17.4.WCg.Normoxic

Species: M. tuberculosis

Strain: H37Rv

Growth Conditions:

Medium: GAS

of Fermentors: 1

Inoculation Date: 1.17.13

Harvest Date: 1.24.13

SOP # used for Harvest: PP0040 1/11/13 version

Wet Weight: 8.8g

Date irradiated: 2.18.13 By: JB

Alamar Blue QC Information

Date Started: 2.28.13 Date Checked: 3.2.13

Positive Control: Positive X Negative


OD =.1 change: 0.0728

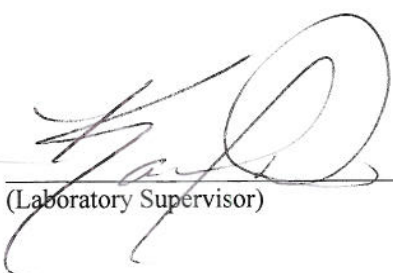
Sample: Positive Negative X

OD=.1 change: 0.0022

Aliquot Information

1 x 8.8g in 230ml falcon tube


(Research Associate) 3-7-13 (date)


(Laboratory Supervisor) 3/8/2013 (date)

Initial 0 hr 570/600					
raw	2-28-13.	0.78	0.70	0.77	0.82
13 Rv 2.1.17.4 WCG.nort		0.68	0.67	0.74	0.74
		0.75	1.14	0.83	1.09
		0.77	0.71	0.77	0.78

Initial Minus Blank					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.05	-0.03	0.04	0.08	
	-0.06	-0.06	0.01	-0.01	
	0.01	0.41	0.09	0.04	
Pos. Cont.	0.03	-0.03	0.03	0.05	

Initial Average					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.00	0.10	0.05	0.04	
Pos. Ctrl.	0.03	-0.03	0.03	0.05	

Sample .1	Sample .01	Pos .1	Pos .01
0	0.00	0.10	0.03
24	0.06	-0.03	1.48
48	0.11	-0.11	3.53

24hr 570/600					
	3-1-13.	0.82	0.72	0.71	0.71
		0.76	0.71	0.71	0.70
		0.73	0.61	0.68	0.67
		2.19	0.80	0.72	0.70

24hr Minus Blank					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.11	0.01	0.00	0.00	
	0.05	0.00	0.00	-0.01	
	0.02	-0.10	-0.03	-0.02	
Pos. Cont.	1.48	0.09	0.01	-0.01	

24hr Average					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.06	-0.03	-0.01	-0.01	
Pos. Ctrl.	1.48	0.09	0.01	-0.01	

48 hr 570/600					
	3-2-13.	0.92	0.73	0.71	0.71
		0.80	0.72	0.71	0.71
		0.75	0.37	0.63	0.62
		4.24	0.88	0.71	0.69

48hr Minus Blank					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.20	0.01	-0.01	-0.01	
	0.08	0.00	0.00	-0.01	
	0.03	-0.34	-0.09	-0.02	
Pos. Cont.	3.53	0.16	0.00	-0.02	

48hr Average					
	OD .1	OD .01	OD .001	OD.0001	
Sample	0.11	-0.11	-0.03	-0.01	
Pos. Ctrl.	3.53	0.16	0.00	-0.02	

570/600 vs Time

