

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

Catalog No. NR-48696

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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 62414041	14.Rv.2.2.17.4.WCg.Hypoxic	12MAR2014
<i>M. tuberculosis</i> , Strain H37Rv, Irradiated Cells (normoxic culture)	NR-36494 lot 62414046	14.Rv.2.2.17.4.WCg.Normoxic	12MAR2014

Lot: 62761397

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lots 14.Rv.2.2.17.4.WCg.Hypoxic and 14.Rv.2.2.17.4.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: 14.Rv.2.2.17.4.WCg.Hypoxic
Species: M. tuberculosis
Strain: H37Rv

Growth Conditions: Medium: GAS
of Fermentors: 1 (4L)
Inoculation Date: 2.17.14 Harvest Date: 3.3.14
SOP # used for Harvest: PP0040 1/11/13 version

Wet Weight: 33.0g

Date irradiated: 3.12.14 By: IC

Alamar Blue QC Information

Date Started: 4.16.14 Date Checked: 4.18.14

Positive Control: Positive X Negative _____

OD =.1 change: 0.0862

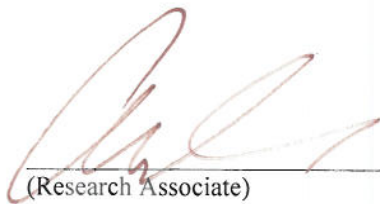
Sample: Positive _____ Negative X _____

OD=.1 change: 0.0013

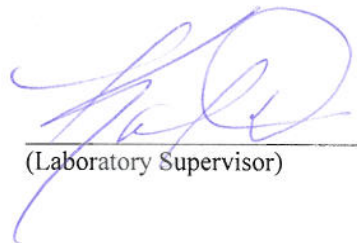
Aliquot Information

1 x 33.0g in 230ml falcon tube

See graph for dissolved oxygen (DO) log.



(Research Associate) 4-21-14
(date)



(Laboratory Supervisor) 4/22/2014
(date)

Initial 0 hr 570/600					
raw	4-16-14.	0.75	0.74	0.72	0.74
14.Rv.2.17.4.WCg.Hypox		0.74	0.74	0.72	0.72
		0.75	0.73	0.72	0.72
		0.76	0.72	0.72	0.73

Initial Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.01	-0.01	0.01
	0.01	0.01	-0.01	-0.01
	0.02	0.00	-0.01	-0.01
Pos. Cont.	0.03	-0.01	-0.01	0.00

Initial Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.01	-0.01	0.00
Pos. Ctrl.	0.03	-0.01	-0.01	0.00

Sample .1	Sample .01	Pos .1	Pos .01
0	0.02	0.01	0.03
24	0.05	0.01	3.63
48	0.08	0.01	4.17

24hr 570/600				
4-17-14.	0.79	0.75	0.74	0.74
	0.79	0.74	0.74	0.74
	0.79	0.75	0.74	0.74
	4.37	1.20	0.81	0.74

24hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.05	0.01	0.00	0.00
	0.05	0.00	0.00	0.00
	0.05	0.01	0.00	0.00
Pos. Cont.	3.63	0.46	0.07	0.00

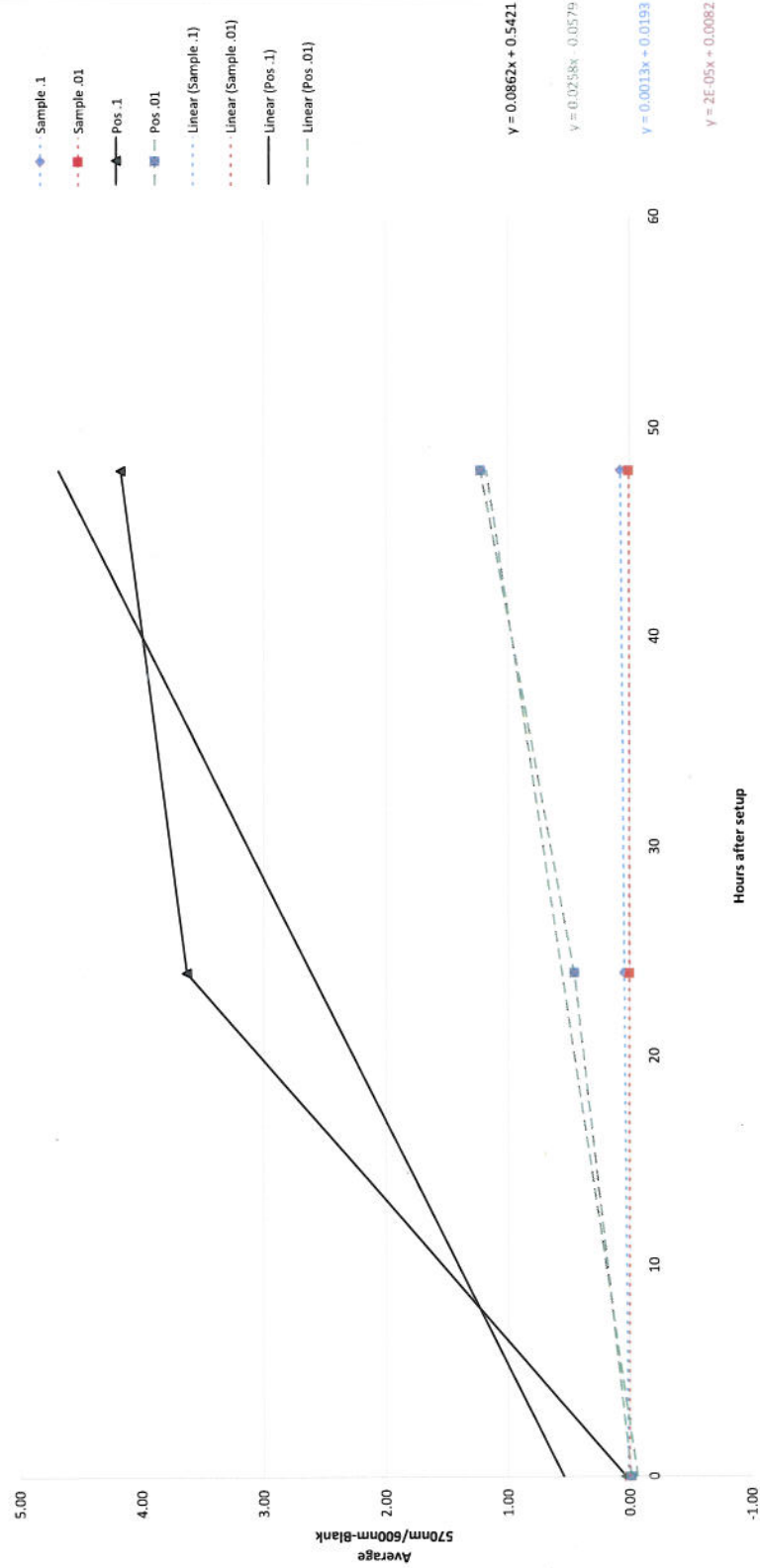
24hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.05	0.01	0.00	0.00
Pos. Ctrl.	3.63	0.46	0.07	0.00

48 hr 570/600				
4-18-14.	0.83	0.76	0.75	0.75
	0.83	0.76	0.75	0.75
	0.83	0.76	0.75	0.75
	4.92	1.98	0.90	0.75

48hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.08	0.01	0.00	0.00
	0.08	0.01	0.00	0.00
	0.08	0.01	0.00	0.00
Pos. Cont.	4.17	1.23	0.15	0.00

48hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.08	0.01	0.00	0.00
Pos. Ctrl.	4.17	1.23	0.15	0.00

570/600 vs Time



WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 14.Rv.2.2.17.4.WCg.Normoxic

Species: M. tuberculosis

Strain: H37Rv

Growth Conditions: Medium: GAS
of Fermentors: 1 (4L)
Inoculation Date: 2.17.14 Harvest Date: 2.27.14
SOP # used for Harvest: PP0040 1/11/13 version

Wet Weight: 55.5g

Date irradiated: 3.12.14 By: IC

Alamar Blue QC Information

Date Started: 4.16.14 Date Checked: 4.18.14

Positive Control: Positive X Negative _____

OD =.1 change: 0.0862


Sample: Positive _____ Negative X _____

OD=.1 change: 0.0061

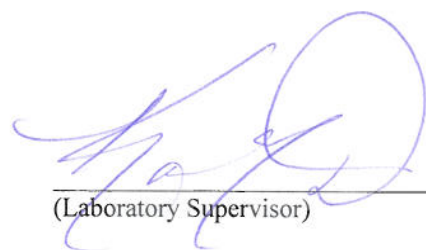
Aliquot Information

1 x 55.5g in 230ml falcon tube

See graph for dissolved oxygen (DO) log.



(Research Associate) 4-21-14
(date)



(Laboratory Supervisor) 4/22/2014
(date)

Initial 0 hr 570/600		24hr 570/600		48 hr 570/600	
raw	4-16-14.	0.74	0.73	0.72	0.72
14.Rv.2.17.4.WCg.Norm		0.72	0.69	0.72	0.73
		0.73	0.73	0.72	0.72
		0.76	0.72	0.72	0.73

Initial Minus Blank		24hr Minus Blank		48hr Minus Blank	
OD .1	OD .01	OD .001	OD.0001	OD.0001	OD.0001
Sample	0.01	0.00	-0.01	-0.01	-0.01
	-0.01	-0.04	-0.01	-0.01	-0.01
	0.00	0.00	-0.01	-0.01	-0.01
Pos. Cont.	0.03	-0.01	-0.01	0.00	0.00

Initial Average		24hr Average		48hr Average	
OD .1	OD .01	OD .001	OD.0001	OD.0001	OD.0001
Sample	0.00	-0.01	-0.01	-0.01	-0.01
Pos. Ctrl.	0.03	-0.01	-0.01	0.00	0.00

Sample .1		Sample .01		Pos.1	
0	0.00	-0.01	0.03	-0.01	-0.01
24	0.13	0.02	3.63	0.46	0.46
48	0.30	0.03	4.17	1.23	1.23

Initial 0 hr 570/600		24hr 570/600		48 hr 570/600	
raw	4-17-14.	0.88	0.76	0.74	0.74
		0.87	0.76	0.74	0.74
		0.87	0.76	0.74	0.74
		4.37	1.20	0.81	0.74

Initial Minus Blank		24hr Minus Blank		48hr Minus Blank	
OD .1	OD .01	OD .001	OD.0001	OD.0001	OD.0001
Sample	0.14	0.02	0.00	0.00	0.00
	0.13	0.02	0.00	0.00	0.00
	0.13	0.02	0.00	0.00	0.00
Pos. Cont.	3.63	0.46	0.07	0.00	0.00

Initial Average		24hr Average		48hr Average	
OD .1	OD .01	OD .001	OD.0001	OD.0001	OD.0001
Sample	0.13	0.02	0.00	0.00	0.00
Pos. Ctrl.	3.63	0.46	0.07	0.00	0.00

Sample .1		Sample .01		Pos.1	
0	0.00	-0.01	0.03	-0.01	-0.01
24	0.13	0.02	3.63	0.46	0.46
48	0.30	0.03	4.17	1.23	1.23

Initial 0 hr 570/600		24hr 570/600		48 hr 570/600	
raw	4-18-14.	1.06	0.79	0.75	0.75
		1.04	0.78	0.76	0.75
		1.04	0.78	0.75	0.75
		4.92	1.98	0.90	0.75

Initial Minus Blank		24hr Minus Blank		48hr Minus Blank	
OD .1	OD .01	OD .001	OD.0001	OD.0001	OD.0001
Sample	0.31	0.04	0.00	0.00	0.00
	0.29	0.03	0.01	0.00	0.00
	0.29	0.03	0.00	0.00	0.00
Pos. Cont.	4.17	1.23	0.15	0.00	0.00

Initial Average		24hr Average		48hr Average	
OD .1	OD .01	OD .001	OD.0001	OD.0001	OD.0001
Sample	0.30	0.03	0.00	0.00	0.00
Pos. Ctrl.	4.17	1.23	0.15	0.00	0.00

Sample .1		Sample .01		Pos.1	
0	0.00	-0.01	0.03	-0.01	-0.01
24	0.13	0.02	3.63	0.46	0.46
48	0.30	0.03	4.17	1.23	1.23

570/600 vs Time

