

Mycobacterium tuberculosis*, Strain East African Indian 91_0079, Gamma-Irradiated Whole Cells*Catalog No. NR-36492**

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Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), strain East African Indian 91_0079 was grown to late-log phase in glycerol-alanine-salts medium and inactivated by exposure to 2.4 mRads of ionizing gamma irradiation using a ^{137}Cs source. Confirmation of inactivation was performed by Alamar Blue assay. A dose of 2.4 mRads of gamma irradiation kills *M. tuberculosis* to a 10^{20} degree of certainty while maintaining 93% to 95% of the biological activity of the enzymes. The bacilli are harvested by filtration and washed with PBS pH 7.4.

Lot: 61977668**Manufacturing Date: 21AUG2013**

Production and QC testing were performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation for bulk lot 13.EAI.7.30.8.WCg is attached. This lot was aliquoted at Colorado State University and each vial contains approximately 10 g of *Mycobacterium tuberculosis*, strain East African Indian 91_0079 gamma-irradiated whole cells.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 13.EAL7.30.8.WCg
Species: M. tuberculosis
Strain: East African Indian 91_0079

Growth Conditions: Medium: GAS
of Fernbachs: 16 # of Roller bottles: 0
Inoculation Date: 7.30.13 Harvest Date: 8.13.13
SOP # used for Harvest: PP003.3 1/11/13 version

Wet Weight: 83.2g

Date irradiated: 8.21.13 By: IC

Alamar Blue QC Information

Date Started: 8.28.13 Date Checked: 8.30.13

Positive Control: Positive X Negative


OD =.1 change: 0.0392

Sample: Positive Negative X


OD=.1 change: 0.0011

Aliquot Information

1 x 83.2g in 230ml falcon tube



(Research Associate) 9-4-13
(date)



(Laboratory Supervisor) 9/5/2013
(date)

		Initial 0 hr 570/600				
raw	8-28-13.	1.03	1.03	1.08	1.06	1.06
	13.EA1.7.30.8.WCg	1.02	1.01	1.07	1.06	1.06
		0.99	0.98	1.00	1.01	1.01
		0.93	0.93	0.94	0.94	0.94

		24hr 570/600				
	8-29-13.	0.96	0.96	0.96	0.96	1.01
		0.95	0.95	0.97	0.97	1.02
		0.95	0.93	0.94	0.98	0.98
		1.12	0.92	0.90	0.92	0.92

		48 hr 570/600				
	8-30-13.	0.81	0.75	0.76	0.76	0.75
		0.81	0.74	0.73	0.73	0.72
		0.92	0.75	0.74	0.74	0.73
		2.59	0.93	0.75	0.75	0.74

		Initial Minus Blank				
	Sample	0.06	0.06	0.11	0.09	0.09
		0.05	0.04	0.10	0.10	0.10
		0.02	0.01	0.03	0.04	0.04
	Pos. Cont.	-0.04	-0.04	-0.03	-0.02	-0.02

		24hr Minus Blank				
	Sample	0.03	0.03	0.03	0.03	0.08
		0.01	0.02	0.04	0.08	0.08
		0.02	0.00	0.00	0.04	0.04
	Pos. Cont.	0.18	-0.02	-0.04	-0.01	-0.01

		48hr Minus Blank				
	Sample	0.06	0.00	0.01	0.00	0.00
		0.06	-0.01	-0.01	-0.03	-0.03
		0.17	0.00	-0.01	-0.01	-0.02
	Pos. Cont.	1.84	0.18	0.01	0.01	-0.01

		Initial Average				
	Sample	0.05	0.04	0.08	0.08	0.08
		-0.04	-0.04	-0.03	-0.02	-0.02

		24hr Average				
	Sample	0.02	0.01	0.02	0.02	0.07
	Pos. Ctri.	0.18	-0.02	-0.04	-0.04	-0.01

		48hr Average				
	Sample	0.10	0.00	0.01	0.01	0.00
	Pos. Ctri.	1.84	0.18	0.01	0.01	-0.01

	Sample .1	Sample .01	Pos .1	Pos .01
0	0.05	0.04	-0.04	-0.04
24	0.02	0.01	0.18	-0.02
48	0.10	0.00	1.84	0.18

