

Mycobacterium canettii* Gamma-Irradiated Whole Cells*Catalog No. NR-36495**

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Product Description: *Mycobacterium canettii* (*M. canettii*) 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 ¹³⁷Cs source. Confirmation of inactivation was performed by Alamar Blue assay. A dose of 2.4 mRads of gamma irradiation kills *M. canettii* to a 10²⁰ 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: 63648731**Manufacturing Date: 05AUG2015**

Production and QC testing were performed by Colorado State (CSU). The CSU documentation for bulk lot 15.Canetti.7.14.5.WCg.a is attached. This lot was aliquoted at CSU and each vial contains approximately 10 g of *M. canetti* gamma-irradiated whole cells.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 15.Canetti.7.14.5.WCg.a
Species: M. canetti
Strain: Canetti

Growth Conditions: Medium: GAS
of Fernbachs: 16 # of Roller bottles: 0
Inoculation Date: 7.14.15 Harvest Date: 7.28.15
SOP # used for Harvest: PP003.3

Wet Weight: 102.1g

Date irradiated: 8.5.15 By: RS

Alamar Blue QC Information


Date Started: 8.19.15 Date Checked: 8.21.15

Positive Control: Positive X Negative _____

Sample: Positive _____ Negative X _____

Aliquot Information

1 x 102.1g in 230ml falcon tube



(Research Associate)

8-21-15

(date)



(Laboratory Supervisor)

8-21-15

(date)

raw	Initial 0 hr 570/600			
8-19-15.	0.80	0.75	0.74	0.75
15.Canetti.7.14.5.WCg.a	0.80	0.76	0.74	0.73
	0.79	0.75	0.74	0.74
	0.83	0.75	0.77	0.75

Initial Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.06	0.01	0.00	0.01
	0.06	0.02	0.00	-0.01
	0.05	0.01	0.00	0.00
Pos. Cont.	0.09	0.01	0.03	0.01

Initial Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.06	0.01	0.00	0.00
Pos. Ctrl.	0.09	0.01	0.03	0.01

	Sample .01	Pos .1	Pos .01
0	0.06	0.01	0.09
24	0.09	0.01	1.59
48	0.15	0.02	1.74

24hr 570/600				
	8-20-15.			
	0.86	0.77	0.76	0.76
	0.85	0.77	0.76	0.76
	0.85	0.78	0.76	0.76
	2.35	0.90	0.78	0.77

24hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.09	0.01	0.00	0.00
	0.09	0.01	0.00	0.00
	0.09	0.01	0.00	0.00
Pos. Cont.	1.59	0.14	0.02	0.01

24hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.09	0.01	0.00	0.00
Pos. Ctrl.	1.59	0.14	0.02	0.01

48 hr 570/600				
	8-21-15.			
	0.93	0.79	0.77	0.77
	0.91	0.79	0.77	0.77
	0.92	0.79	0.77	0.77
	2.51	1.38	0.98	0.81

48hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.16	0.02	0.00	0.00
	0.14	0.02	0.00	0.00
	0.15	0.02	0.00	0.00
Pos. Cont.	1.74	0.61	0.21	0.04

48hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.15	0.02	0.00	0.00
Pos. Ctrl.	1.74	0.61	0.21	0.04

570/600 vs Time

