

Mycobacterium tuberculosis*, Strain H37Rv, Gamma-Irradiated Whole Cells*Catalog No. NR-49098**

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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: 70045519**Manufacturing Date: 22JUN2021**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.Rv.2.6.13.11.WCg.a is attached.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 18.Rv.2.6.13.11.WCg.a

Species: M. tuberculosis

Strain: H37Rv

Growth Conditions:

Medium: GAS

of Fernbachs: 8

of Roller bottles: 40

Inoculation Date: 6.13.18 Harvest Date: 6.27.18

SOP # used for Harvest: PP003.3

Wet Weight: 95.8g

Date irradiated: 6.22.21

By: JB

Additional Notes: NA

Alamar Blue QC Information

Date Started: 7.6.21


Date Checked: 7.8.21

Positive Control: Positive X Negative


Sample: Positive Negative X

Aliquot Information

1 x 95.8g in 230ml falcon tube



(Research Associate) 7-16-21
(date)



(Laboratory Supervisor) 7-21-21
(date)

Initial 0 hr 570/600				
7-6-21	0.82	0.76	0.73	0.73
18.Rv.2.6.13.11.WCg.a	0.82	0.76	0.73	0.73
	0.81	0.76	0.74	0.74
	0.78	0.75	0.74	0.73

24hr 570/600				
7-7-21	0.82	0.74	0.73	0.73
	0.82	0.74	0.73	0.73
	0.82	0.74	0.73	0.73
	4.39	1.12	0.76	0.74

48 hr 570/600				
7-8-21	0.86	0.75	0.75	0.75
	0.83	0.75	0.74	0.74
	0.84	0.76	0.75	0.75
	4.07	1.63	0.80	0.76

Initial Minus Blank			
OD .1	OD .01	OD .001	OD.0001
0.11	0.04	0.01	0.01
0.10	0.04	0.01	0.01
0.10	0.04	0.02	0.02
0.06	0.03	0.03	0.01

24hr Minus Blank			
OD .1	OD .01	OD .001	OD.0001
0.09	0.01	0.00	0.00
0.09	0.01	0.00	0.00
0.08	0.01	0.00	0.00
3.66	0.38	0.03	0.01

48hr Minus Blank			
OD .1	OD .01	OD .001	OD.0001
0.11	0.01	0.00	0.00
0.09	0.01	0.00	0.00
0.09	0.01	0.00	0.00
3.33	0.88	0.06	0.02

Initial Average			
OD .1	OD .01	OD .001	OD.0001
0.10	0.04	0.01	0.01
0.06	0.03	0.03	0.01

24hr Average			
OD .1	OD .01	OD .001	OD.0001
0.09	0.01	0.00	0.00
3.66	0.38	0.03	0.01

48hr Average			
OD .1	OD .01	OD .001	OD.0001
0.10	0.01	0.00	0.00
3.33	0.88	0.06	0.02

Sample .1	Sample .01	Pos .1	Pos .01
0	0.10	0.04	0.06
24	0.09	0.01	3.66
48	0.10	0.01	3.33

570/600 vs Time

