

***Mycobacterium tuberculosis*, Strain HN878, Gamma-Irradiated Whole Cells****Catalog No. NR-49100**

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

**Product Description:**

*Mycobacterium tuberculosis*, strain HN878 was grown to late-log phase in glycerol-alanine-salts medium and inactivated by exposure to a Cs source with the delivery of 1.44 to 2.4 mRads of ionizing radiation (dose range is provided due to variation across the sample chamber).

**Lot: 70061002****Manufacturing Date: 24APR2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.HN878.10.31.11.WCg is attached.

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## WORK SHEET FOR $\gamma$ -IRRADIATED CELLS

### General Information

Lot Number: 18.HN878.10.31.11.WCg

Species: M. tuberculosis

Strain: HN878

Growth Conditions: Medium: GAS  
# of Fernbachs: 16 # of Roller bottles: 0  
Inoculation Date: 10.31.18 Harvest Date: 11.14.18  
SOP # used for Harvest: PP003.3

Wet Weight: 99.8g

Date irradiated: 4.24.23 By: JB

Additional Notes: NA

### Alamar Blue QC Information

Date Started: 5.15.23 Date Checked: 5.17.23

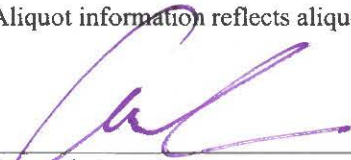
Positive Control: Positive X Negative       

Sample: Positive        Negative X


### Aliquot Information

1 x 99.8g in 230ml falcon tube

\*Aliquot information reflects aliquots made at the time of QC. Bulk aliquots will be broken down as needed

  
\_\_\_\_\_  
(Research Associate)

5-18-23  
(date)

  
\_\_\_\_\_  
(Laboratory Supervisor)

5/22/23  
(date)

Initial 0 hr 570/600					
raw	5-15-23.	0.76	0.73	0.74	0.74
	18.HNB78.10.31.11.WCg	0.77	0.75	0.74	0.74
		0.76	0.73	0.72	0.73
		0.81	0.74	0.74	0.72

24hr 570/600					
	5-16-23.	0.81	0.74	0.73	0.73
		0.82	0.75	0.73	0.73
		0.82	0.74	0.73	0.73
		3.85	1.18	0.77	0.74

48 hr 570/600					
	5-17-23.	0.85	0.75	0.74	0.74
		0.86	0.76	0.74	0.74
		0.86	0.75	0.74	0.74
		3.78	1.62	0.80	0.75

Initial Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.04	0.01	0.02	0.03
	0.05	0.03	0.02	0.02
	0.05	0.02	0.01	0.01
Pos. Cont.	0.09	0.02	0.03	0.00

24hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.08	0.01	0.00	0.00
	0.09	0.02	0.00	0.00
	0.09	0.01	0.00	0.00
Pos. Cont.	3.12	0.45	0.04	0.01

48hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.11	0.01	0.00	0.00
	0.12	0.02	0.00	0.00
	0.12	0.01	0.00	0.00
Pos. Cont.	3.04	0.88	0.06	0.01

Initial Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.05	0.02	0.02	0.02
Pos. Ctrl.	0.09	0.02	0.03	0.00

24hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.09	0.01	0.00	0.00
Pos. Ctrl.	3.12	0.45	0.04	0.01

48hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.12	0.02	0.00	0.00
Pos. Ctrl.	3.04	0.88	0.06	0.01

	Sample .1	Sample .01	Pos .1	Pos .01
0	0.05	0.02	0.09	0.02
24	0.09	0.01	3.12	0.45
48	0.12	0.02	3.04	0.88

