

Mycobacterium tuberculosis*, Strain CDC1551, Gamma-Irradiated Whole Cells*Catalog No. NR-49099**

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Product Description:

Mycobacterium tuberculosis, strain CDC1551 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: 70037237**Manufacturing Date: 27JUL2020**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 18.CDC1551.10.24.12.WCg.b is attached.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 18.CDC1551.10.24.12.WCg.b

Species: M. tuberculosis

Strain: CDC1551

Growth Conditions: Medium: GAS
of Fernbachs: 6 of Roller bottles: 0
Inoculation Date: 10.24.18 Harvest Date: 11.7.18
SOP # used for Harvest: PP003.3

Wet Weight: 62.9g

Date irradiated: 7.27.20 By: AS

Additional Notes: NA

Alamar Blue QC Information


Date Started: 8.24.20 Date Checked: 8.26.20


Positive Control: Positive X Negative _____

Sample: Positive _____ Negative X

Aliquot Information

1 x 62.9g in 230ml falcon tube


(Research Associate) 8-28-20 (date)


(Laboratory Supervisor) 8/28/20 (date)

| Initial 0 hr 570/600 | |
|--------------------------|---------------------|
| raw | 8-24-20 |
| | 0.75 0.73 0.71 0.72 |
| 18.CDC1551.10.24.12.WCg. | |
| | 0.75 0.71 0.70 0.70 |
| | 0.74 0.70 0.69 0.70 |
| | 0.76 0.71 0.70 0.71 |

| 24hr 570/600 | |
|--------------|---------------------|
| 8-25-20. | 0.77 0.73 0.72 0.72 |
| | 0.78 0.73 0.73 0.72 |
| | 0.77 0.72 0.72 0.71 |
| | 3.49 0.95 0.75 0.73 |

| 48 hr 570/600 | |
|---------------|---------------------|
| 8-26-20. | 0.80 0.75 0.74 0.74 |
| | 0.81 0.75 0.74 0.74 |
| | 0.80 0.74 0.73 0.73 |
| | 2.92 1.52 0.80 0.75 |

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

| 24hr Minus Blank | | | | |
|------------------|-------|--------|---------|---------|
| | OD .1 | OD .01 | OD .001 | OD.0001 |
| Sample | 0.04 | 0.00 | 0.00 | 0.00 |
| | 0.06 | 0.00 | 0.00 | 0.00 |
| | 0.04 | 0.00 | -0.01 | -0.01 |
| Pos. Cont. | 2.77 | 0.23 | 0.02 | 0.00 |

| 48hr Minus Blank | | | | |
|------------------|-------|--------|---------|---------|
| | OD .1 | OD .01 | OD .001 | OD.0001 |
| Sample | 0.06 | 0.01 | 0.00 | 0.00 |
| | 0.07 | 0.01 | 0.00 | 0.00 |
| | 0.06 | 0.00 | -0.01 | -0.01 |
| Pos. Cont. | 2.18 | 0.78 | 0.06 | 0.00 |

| Initial Average | | | | |
|-----------------|-------|--------|---------|---------|
| | OD .1 | OD .01 | OD .001 | OD.0001 |
| Sample | 0.03 | 0.00 | -0.01 | -0.01 |
| Pos. Ctrl. | 0.04 | 0.00 | -0.01 | -0.01 |

| 24hr Average | | | | |
|--------------|-------|--------|---------|---------|
| | OD .1 | OD .01 | OD .001 | OD.0001 |
| Sample | 0.05 | 0.00 | 0.00 | -0.01 |
| Pos. Ctrl. | 2.77 | 0.23 | 0.02 | 0.00 |

| 48hr Average | | | | |
|--------------|-------|--------|---------|---------|
| | OD .1 | OD .01 | OD .001 | OD.0001 |
| Sample | 0.06 | 0.00 | 0.00 | -0.01 |
| Pos. Ctrl. | 2.18 | 0.78 | 0.06 | 0.00 |

| Sample .1 | Sample .01 | Pos. .1 | Pos. 01 |
|-----------|------------|---------|---------|
| 0 | 0.03 | 0.00 | 0.04 |
| 24 | 0.05 | 0.00 | 2.77 |
| 48 | 0.06 | 0.00 | 2.18 |

