

Mycobacterium tuberculosis*, Strain H37Rv, Gamma-Irradiated Whole Cells*Catalog No. NR-14819**

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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: 62205401**Manufacturing Date: 01APR2011**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for bulk lot 11.Rv.2.3.7.6.WCg is attached.

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information

Lot Number: 11.Rv.2.3.7.6.WCg

Species: M. tuberculosis

Strain: H37Rv

Growth Conditions:

Medium: GAS

of Fernbachs: 8

of Roller bottles: 40

Inoculation Date: 03.07.11 Harvest Date: 03.21.11

SOP # used for Harvest: PP003.5/9/08 version

Wet Weight: 98.1g

Date irradiated: 04.01.11 By: CW

Alamar Blue QC Information

Date Started: 07.12.11 Date Checked: 07.14.11

Positive Control: Positive x Negative _____

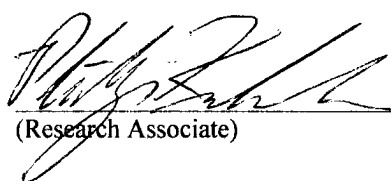
OD_{positive} = .1 Y value: 0.04

Sample: Positive _____ Negative x

OD_{sample} = .1 Y value: 0.0035

Aliquot Information

1 x 98.1 g in 230ml falcon tube

 07.18.11
(Research Associate) (date)

 7/14/2011
(Laboratory Supervisor) (date)

| Initial 0 hr 570/600 | | | | | |
|----------------------|------|------|------|------|------|
| 0.73 | 0.98 | 0.82 | 0.76 | 0.77 | 0.75 |
| 1 | 0.99 | 0.77 | 0.75 | 0.74 | 0.75 |
| 1 | 0.96 | 0.75 | 0.72 | 0.74 | 0.75 |
| 1.03 | 1.07 | 0.75 | 0.74 | 0.69 | 0.68 |

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

| Initial Average | | | | | |
|-----------------|-------|----------|---------|---------|------|
| | OD .1 | OD .01 | OD .001 | OD.0001 | |
| Sample | 0.05 | 0.013333 | 0.02 | 0.02 | 0.02 |
| Pos. Ctrl. | 0.02 | 0.01 | -0.04 | -0.05 | |
| 48 hr 570/600 | | | | | |
| 0.75 | 1 | 0.96 | 0.76 | 0.74 | 0.74 |
| 1.03 | 1 | 0.97 | 0.76 | 0.74 | 0.74 |
| 1 | 1.01 | 0.97 | 0.77 | 0.74 | 0.74 |
| 1 | 0.78 | 2.69 | 0.97 | 0.77 | 0.75 |

| 48hr Minus Blank | | | | | |
|------------------|-------|--------|---------|---------|-------|
| | OD .1 | OD .01 | OD .001 | OD.0001 | |
| Sample | 0.21 | 0.01 | -0.01 | -0.01 | -0.01 |
| | 0.22 | 0.01 | -0.01 | -0.01 | -0.01 |
| | 0.22 | 0.02 | -0.01 | -0.01 | -0.01 |
| Pos. Cont. | 1.94 | 0.22 | 0.02 | 0 | |

| 48hr Average | | | | | |
|--------------|-----------|-----------|---------|---------|-------|
| | OD .1 | OD .01 | OD .001 | OD.0001 | |
| Sample | 0.2166667 | 0.0133333 | -0.01 | -0.01 | -0.01 |
| Pos. Ctrl. | 1.94 | 0.22 | 0.02 | 0 | |

| 24hr 570/600 | | | | | |
|--------------|------|------|------|------|------|
| 0.73 | 1.01 | 0.92 | 0.75 | 0.74 | 0.73 |
| 1 | 1.01 | 0.88 | 0.75 | 0.73 | 0.73 |
| 1 | 0.99 | 0.9 | 0.76 | 0.74 | 0.74 |
| 1.03 | 0.83 | 1.54 | 0.85 | 0.75 | 0.74 |

| 24hr Minus Blank | | | | | |
|------------------|-------|--------|---------|---------|------|
| | OD .1 | OD .01 | OD .001 | OD.0001 | |
| Sample | 0.19 | 0.02 | 0.01 | 0 | 0 |
| | 0.15 | 0.02 | 0 | 0 | 0 |
| | 0.17 | 0.03 | 0.01 | 0.01 | 0.01 |
| Pos. Cont. | 0.81 | 0.12 | 0.02 | 0.02 | 0.01 |

| 24hr Average | | | | | |
|--------------|-------|----------|----------|----------|------|
| | OD .1 | OD .01 | OD .001 | OD.0001 | |
| Sample | 0.17 | 0.023333 | 0.006667 | 0.003333 | 0.01 |
| Pos. Ctrl. | 0.81 | 0.12 | 0.02 | 0.02 | 0.01 |

| | Sample .1 | Sample .01 | Pos .1 | Pos .01 |
|----|-----------|------------|--------|---------|
| 0 | 0.05 | 0.013333 | 0.02 | 0.01 |
| 24 | 0.17 | 0.023333 | 0.81 | 0.12 |
| 48 | 0.216667 | 0.013333 | 1.94 | 0.22 |

570/600 vs Time

