

Certificate of Analysis for NR-49099

Mycobacterium tuberculosis, Strain CDC1551, Gamma-Irradiated Whole Cells

Catalog No. NR-49099

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

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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BEI Resources www.beiresources.org E-mail: contact@beiresources.org
Tel: 800-359-7370

Fax: 703-365-2898

WORK SHEET FOR γ-IRRADIATED CELLS

General Information

Lot Number: <u>18.CDC1551.10.24.12.WCg.b</u>

Species: M. tuberculosis Strain: CDC1551

Growth Conditions:

Medium:

of Fernbachs: 6

of Roller bottles: 0 Harvest Date: __11.7.18

Inoculation Date: 10.24.18 SOP # used for Harvest: PP003

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

		Initial 0 hr 570/600	009/0					24hr 570/600	009/0				48 hr 570/600	009/		
raw	8-24-20.	0.75	0.73	17.0	0.72		8-25-20.	0.77	0.73	0.72	0.72	8-26-20.	0.80	0.75	0.74	0.74
18.CDC1551.	18.CDC1551.10.24.12.WCg.	0.75	0.71	0.70	0.70			0.78	0.73	0.73	0.72		0.81	0.75	0.74	0.74
	2	0.74	0.70	69'0	0.70			0.77	0.72	0.72	0.71		0.80	0.74	0.73	0.73
		0.76	0.71	0.70	0.71			3.49	0.95	0.75	0.73		2.92	1.52	0.80	0.75
		Initial	Initial Minus Blank	¥				24hr	24hr Minus Blank	-¥			48hr	48hr Minus Blank		
		00.1	10. GO	00 001	OD:0001	•		00.1	10.00	100.00 OD.001 OD.0001	OD.0001		1. do	10. OO	100. do	OD:0001
		0.03	0.0	0.0	0.01	•		0.04	0.0	8.0	00:0		90.0	0.01	00.0	0.00
	Sample	0.03	-0.01	-0.02	-0.01		Sample	90.0	0.00	0.00	0.00	Sample	0.07	0.01	0.00	0.0
		0.03	-0.02	-0.02	-0.02			0.04	0.00	-0.01	-0.01		90.0	0.0	-0.01	-0.01
	Pos. Cont.	0.04	0.00	-0.01	-0.01	لت.	Pos. Cont.	2.77	0.23	0.02	0.00	Pos. Cont.	2.18	0.78	90.0	Ö
			Initial Assesses			_		1	24hr Average				486	Aghr Average		
			al Avelage					1	יון יאכוסופר						h	
		0D.1	10.00	100. do	OD:0001			1.00	10. do	100. do	1000.00		00.1	10. do	OD .001	OD:0001
	Sample	0.03	0.00	-0.01	-0.01		Sample	0.05	00'0	00'0	-0.01	Sample	90.0	00.00	00.0	-0.01
	Poe Chri	200	000	100-	100		Pos Chri	77.6	67.0	0.02	000	Pos Chri	2.18	0.78	90 0	00.0

 Sample 1
 Sample 0.01
 Pos 0.1
 Pos 0.1

 0.03
 0.00
 0.04
 0.0

 1
 0.05
 0.00
 2.77
 0.0

 0
 0.06
 0.09
 2.18
 0.0

0 7 8

	Sample .01	Pas 1	- Fos .01		Linear (Sample ,01)	Linear (Pos. 1)	Linear (Pos. 01)	y = 0.0446x + 0.5926	y = 0.0163x - 0.0564	y = 0.0007x + 0.0311	200000000000000000000000000000000000000
	100000000000000000000000000000000000000	100					,			9	
		\		1				D		95	
5/U/60U VS 11Me			X							40	
M/n/c		1	/					1		30	Hours after setup
					\				1 1 1 1 1 1 1 1 1 1 1 1 1 1	20	
						volumber particular de care company à commune particular de care company à company de care com	1		,	10	
	300	0	2.50	200		1.50	ş	05.0	\	0000	-0.50