

Certificate of Analysis for NR-49098

Mycobacterium tuberculosis, Strain H37Rv, Gamma-Irradiated Whole Cells

Catalog No. NR-49098

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

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.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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WORK SHEET FOR γ-IRRADIATED CELLS

General Information			
Lot Number: <u>18.Rv.2.6</u> Species: <u>M. tuberculosis</u> Strain: <u>H37Rv</u>	5.13.11.WCg.a		
Growth Conditions:	Medium: GAS # of Fernbachs: 8 Inoculation Date: 6.13.18 Harves SOP # used for Harvest: PP003		
Wet Weight: 95.8g			
Date irradiated: 6.22.2	1 By: <u>JB</u>		
Additional Notes: NA			
Alamar Blue QC Inform	mation		
•			
Date Started: 7.6.21	Date Checked: 7.8.21		
Positive Control: Positive	eX Negative		
Sample: Positive	Negative_X		
Aliquot Information			
1 x 95.8g in 230ml fa	lcon tube		
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1,0		all.	"7 A 1 A 1
(Research Associate)	7-16-21 (date)	(Laboratory Supervisor)	$\frac{7-2(-2)}{\text{(date)}}$
(Transmen I Innominte)	(auto)	(Date of second comband work)	()

7-6-21.	Initial 0 hr 570/600	009/0				24hr 570/600	0/600				48 hr 570/600	900		
8.Rv.2.6.13.11.WCg.a	0.82	0.76	0.73	0.73	7-7-21.	0.82	0.74	0.73	0.73	7-8-21,	0.86	0.75	0.75	0.75
	0.82	0.76	0.73	0.73		0.82	0.74	0.73	0.73		0.83	0.75	0.74	0.74
	0.81	0.76	0.74	0.74		0.82	0.74	0.73	0.73		0.84	0.76	0.75	0.75
	0.78	0.75	0.74	0.73		4.39	1.12	0.76	0.74		4.07	1.63	0.80	0.76
	Initial	Initial Minus Blank	¥			24hi	24hr Minus Blank	يد			48hr N	48hr Minus Blank		
	00.1	10.00	OD .001 OD .0001	OD:0001		1.00	10. 00	00 OO	OD.0001		00.1	10.00	OD :001 OD:0001	DD.0001
_	0.11	0.0	10.0	0.01		0.09	0.01	0.0	0.00		0.11	0.01	0.00	0.00
Sample	0.10	0.04	0.01	0.01	Sample	60:0	0.01	0.00	0.00	Sample	60.0	0.01	0.00	0.00
-	0.10	0.04	0.02	0.02		0.08	0.01	0.00	0.00		0.09	0.01	0.00	0.00
Pos. Cont.	90:0	0.03	0.03	0.01	Pos. Cont.	3.66	0.38	0.03	0.01	 Pos. Cont.	3,33	0.88	90.0	0.02
	1													
	Initia	Initial Average				24	24hr Average				48h	48hr Average		
	00.1	10. 00	00. 00	OD.0001		1.00	10. do	00 .001	OD:0001		OD .1	10. OO	OD .001 C	OD:0001
Sample	0,10	0.04	0.01	0.01	Sample	0.09	0.01	0.00	0.00	Sample	0.10	0.01	0.00	0.00
Pos. Ctrl.	0.06	0.03	0.03	0.01	Pos. Ctrf.	3.66	0.38	0.03	0.01	 Pos. Ctrl.	3.33	0.88	90.0	0.02

 Sample 1
 Sample 01
 Pos 1
 Pos 01

 0
 0.10
 0.04
 0.06
 0.03

 4
 0.09
 0.01
 3.66
 0.38

 8
 0.10
 0.01
 3.33
 0.88

48 24 0

Sample 1		Pos. 1	— ■ – Pos .01	Unear (Sample .1)		Linear (Pos. 1)	(Pos (01)	y = 0.0681x + 0.7138	y = 0.0177x + 0.008	y = -0.0007x + 0.0376	y = -6E-05x + 0.0967	
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27 07 000 V3 IIIIIE				X								40
200/016											i i ii ii	30 Hours after setup
											11 11 11 11 11 11	20
									1			10
	4.50		400	3.50	3.00	m-Blank	2.00	1.50	\			0000