

Certificate of Analysis for NR-49100

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 2.4 megaRads of ionizing gamma irradiation using a ¹³⁷Cs source.

Lot: 70045520 Manufacturing Date: 25JUN2021

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.HN878.10.17.10.WCg.b 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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BEI Resources www.beiresources.org E-mail: contact@beiresources.org Tel: 800-359-7370

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WORK SHEET FOR γ -IRRADIATED CELLS

General Information			
Lot Number: <u>18.HN878</u> Species: <u>M. tuberculosis</u> Strain: <u>HN878</u>	8.10.17.10.WCg.b		
Growth Conditions:	Medium: GAS # of Fernbachs: 16 Inoculation Date: 10.17.18 SOP # used for Harvest: PP003.	# of Roller bottles: 0 Harvest Date: 10.31.18	
Wet Weight: 58.9g			
Date irradiated: 6.25.23	<u>1</u> Ву: <u>ЈВ</u>		
Additional Notes: NA			
Alamar Blue QC Inform	nation		
Date Started: <u>7.6.21</u>	Date Checked: 7.8.21		
Positive Control: Positive	eX Negative		
Sample: Positive	NegativeX		
Aliquot Information			
1 x 58.9g in 230ml fal	con tube		
(Research Associate)	7-16-21 (date)	(Laboratory Supervisor)	7/21/2 (date)

	0.75 0.74	0.75 0.74	0.74	0.80 0.76	201.0	48hr Minus Blank	OD:001 0D:000	0.01 0.00	0.00 0.00	0.00 0.00	0.06 0.02		OD .001 OD.0001	0.00								
009/0	0.76	0.75	0.76	1.63			10. do	0.01	0.01	0.01	0.88	48hr Average		0.01								
48 hr 570/600	0.88	0.89	68-0	4.07	5	48hr	1.00	71.0	0.14	0.15	3.33	48	00.1	0.14								
	7-8-21.								Sample		Pos. Cont.			Sample								
	0.73	0.73	0.72	0.74		24hr Minus Blank	OD:0001	0.00	0.00	-0.01	0.01		OD:0001	0.0								
	0.73	0.73	0.73	0.76			24hr Minus Blank	Minus Blank	OD.001 OD.000	0.00	0.00	0.00	0,03		100. do	0.00						
24hr S70/600	0.74	0.74	0.74	1.12					Minus Blan	Minus Blan	Minus Blan	Minus Blan	Minus Blan	Minus Blan	10. 00	0.01	0.01	0.01	0.38	24hr Average	OD 01	0.01
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	7-7-21.								Sample		Pos. Cont.			Sample								
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	0.72	0.72	0.71	0.75							Minus Blank	Minus Blank	Initial Minus Blank	Minus Blank	finus Blank	linus Blank	inus Blank	OD.01	00.0	0.01	-0.01	0.03
	0.82	0.81	0.80	0.78		Initial A	1. 00	0.10	0.09	0.08	90.0	riginal	00.1	60.0								
nitial 0 hr 570	г	S. P.							Sample		Pos. Cont.			Sample								
Initial 0 hr 570	7-6-21.	8.HN878.10.17.10.WCg.b		Ц		L		L			8	L	\perp	Sa								

 Sample 1
 Sample 0.1
 Pos 0.00
 Pos 0.06
 Pos 0.06

0 42 84 8 24 0

Sample 1	LO alomple D1	Pos. 1	10° sod = - 10° sol		Unear (Sample .01)	Unear (Pos.1)	(inear (Pos. 04)	y = 0.0681x + 0.7138	y = 0.0177x + 0.008	y = 0.0002x + 0.0011 y = 0.0011x + 0.0926		
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