

***Mycobacterium bovis*, Strain AF 2122/97 (ATCC<sup>®</sup> BAA-935<sup>™</sup>), Gamma-Irradiated Whole Cells****Catalog No. NR-31210**

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

**Product Description:** *Mycobacterium bovis* (*M. bovis*), strain AF 2122/97 (ATCC<sup>®</sup> BAA-935<sup>™</sup>), was grown to late-log phase in sodium pyruvate alanine salts medium and inactivated by exposure to 2.4 mRads of ionizing gamma irradiation using a <sup>137</sup>Cs source. Confirmation of inactivation was performed by Alamar Blue assay. A dose of 2.4 mRads of gamma irradiation kills *M. bovis* to a 10<sup>20</sup> degree of certainty while maintaining 93% to 95% of the biological activity of the enzymes. The bacilli are harvested by filtration and washed with PBS pH 7.4.

**Lot: 62554357****Manufacturing Date: 12JAN2015**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 14.BAA935.12.11.6.WCg is attached.

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

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You are authorized to use this product for research use only. It is not intended for human use.





Initial 0 hr 570/600					
raw	2-18-15.	0.74	0.76	0.75	0.74
14.BAA935.12.11.6.WCg		0.75	0.73	0.74	0.74
		0.75	0.73	0.73	0.72
		0.82	0.73	0.75	0.72

Initial Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.01	0.03	0.02	0.01
	0.02	0.00	0.01	0.01
	0.03	0.00	0.00	-0.01
Pos. Cont.	0.09	0.00	0.02	-0.01

Initial Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.02	0.01	0.01	0.00
Pos. Ctrl.	0.09	0.00	0.02	-0.01

Sample .1	Sample .01	Pos .1	Pos .01
0	0.02	0.01	0.09
24	0.16	0.02	7.32
48	0.23	0.02	7.00

24hr 570/600					
	2-19-15.	0.90	0.75	0.74	0.74
		0.90	0.75	0.74	0.74
		0.90	0.75	0.74	0.74
		8.06	1.64	0.82	0.74

24hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.16	0.02	0.00	0.00
	0.17	0.02	0.00	0.00
	0.16	0.02	0.00	0.00
Pos. Cont.	7.32	0.90	0.08	0.00

24hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.16	0.02	0.00	0.00
Pos. Ctrl.	7.32	0.90	0.08	0.00

48 hr 570/600					
	2-20-15.	0.97	0.77	0.75	0.75
		0.98	0.77	0.75	0.75
		0.96	0.76	0.75	0.75
		7.74	1.98	0.85	0.76

48hr Minus Blank				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.23	0.02	0.00	0.00
	0.24	0.02	0.00	0.00
	0.21	0.02	0.00	0.00
Pos. Cont.	7.00	1.23	0.10	0.01

48hr Average				
	OD .1	OD .01	OD .001	OD.0001
Sample	0.23	0.02	0.00	0.00
Pos. Ctrl.	7.00	1.23	0.10	0.01

