

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

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**Product Description:** *Mycobacterium bovis* (*M. bovis*), strain AF 2122/97 (ATCC® BAA-935™) 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: 70013746****Manufacturing Date: 22JAN2018**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.BAA935.11.29.8.WCg is attached.

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raw	2-5-18	Initial 0 hr 570/600		
17.BAA835	11.29.8.WCg	0.72	0.69	0.65
		0.73	0.71	0.68
		0.74	0.70	0.68
		0.75	0.67	0.70
		0.67	0.70	0.69

Initial Minus Blank			
OD .1	OD .01	OD .001	OD.0001
0.03	-0.01	0.00	-0.04
0.04	0.01	-0.01	-0.01
0.04	0.00	-0.02	-0.03
0.06	-0.02	0.00	-0.01

Initial Average			
OD .1	OD .01	OD .001	OD.0001
0.04	0.00	-0.01	-0.03
0.06	-0.02	0.00	-0.01

Sample .1	Sample .01	Pos. 1	Pos. 01
0	0.04	0.00	0.06
24	0.05	0.00	3.90
48	0.07	0.00	3.66

24hr 570/600				
2-6-18	0.78	0.73	0.72	0.73
	0.79	0.74	0.73	0.73
	0.78	0.73	0.73	0.73
	4.63	2.09	0.82	0.74

24hr Minus Blank			
OD .1	OD .01	OD .001	OD.0001
0.05	0.00	-0.01	0.00
0.05	0.01	0.00	0.00
0.05	0.00	0.00	0.00
3.90	1.36	0.09	0.01

24hr Average			
OD .1	OD .01	OD .001	OD.0001
0.05	0.00	0.00	0.00
3.90	1.36	0.09	0.01

48 hr 570/600				
2-7-18	0.86	0.77	0.77	0.77
	0.82	0.77	0.77	0.77
	0.83	0.77	0.77	0.77
	4.42	4.44	0.90	0.78

48hr Minus Blank			
OD .1	OD .01	OD .001	OD.0001
0.09	0.00	-0.01	0.00
0.05	0.00	0.00	0.00
0.06	0.00	0.00	0.00
3.66	3.67	0.13	0.01

48hr Average			
OD .1	OD .01	OD .001	OD.0001
0.07	0.00	0.00	0.00
3.66	3.67	0.13	0.01

### 570/600 vs Time

