

Level of specific IgG to PA-D2 of *B. anthracis* in the samples of blood serum from the donors.

The data are presented by a median titer with an interquartile range as a characteristic of the spread of values in the groups. The distribution was analysed using the Shapiro-Wilk test. The data were analysed using the Kruskal-Wallis test with multiple Dunn's comparisons in a One-Way ANOVA.

	Months after Vaccination				Nonvaccinated
	1-3	4-8	9-11	>12	
Titers	400	200	0	25	100
	800	100	100	200	25
	800	200	25	100	0
	800	400	25	200	0
	3200	0	1600	0	0
	800	50	100	100	100
	1600	1600	200	0	50
	400	400	200	50	50
	400	100	0	100	25
	800	200	50	200	0
	200	25	100	50	0
	200	100	200	200	0
	400	0	25	0	25
	200	100	800	25	50
	200	0	400	0	0
	400	25		50	0
		0		0	25
		0			25
		50			0
					0
				100	

One-Way ANOVA	
Table Analyzed	PA-D2 titers
Kruskal-Wallis test	
P value	< 0,0001
Exact or approximate P value?	Approximate
P value summary	****
Do the medians vary signif. (P < 0.05)	Yes
Number of groups	5
Kruskal-Wallis statistic	38,66
Data summary	
Number of treatments (columns)	5
Number of values (total)	88

ANOVA Multiple Comparison					
Number of families	1				
Number of comparisons per family	10				
Alpha	0,05				
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary		
1-3 vs. 4-8	32,45	Yes	**		
1-3 vs. 9-11	26,83	Yes	*		
1-3 vs. >12	38,12	Yes	***		
1-3 vs. Nonvaccinated	50,52	Yes	****		
4-8 vs. 9-11	-5,614	No	ns		
4-8 vs. >12	5,67	No	ns		
4-8 vs. Nonvaccinated	18,08	No	ns		
9-11 vs. >12	11,28	No	ns		
9-11 vs. Nonvaccinated	23,69	No	ns		
>12 vs. Nonvaccinated	12,41	No	ns		
Test details	Mean rank 1	Mean rank 2	Mean rank diff,	n1	n2
1-3 vs. 4-8	75,5	43,05	32,45	16	19
1-3 vs. 9-11	75,5	48,67	26,83	16	15
1-3 vs. >12	75,5	37,38	38,12	16	17
1-3 vs. Nonvaccinated	75,5	24,98	50,52	16	21
4-8 vs. 9-11	43,05	48,67	-5,614	19	15
4-8 vs. >12	43,05	37,38	5,67	19	17
4-8 vs. Nonvaccinated	43,05	24,98	18,08	19	21
9-11 vs. >12	48,67	37,38	11,28	15	17
9-11 vs. Nonvaccinated	48,67	24,98	23,69	15	21
>12 vs. Nonvaccinated	37,38	24,98	12,41	17	21

Descriptive Statistics					
	1-3	4-8	9-11	>12	Nonvaccinated
Number of values	16	19	15	17	21
Minimum	200	0	0	0	0
25% Percentile	250	0	25	0	0
Median	400	100	100	50	25
75% Percentile	800	200	200	150	50
Maximum	3200	1600	1600	200	100
Mean	725	186,8	255	76,47	27,38
Std. Deviation	755	363,8	425,9	78,79	35,27
Std. Error of Mean	188,7	83,47	110	19,11	7,697
Lower 95% CI	322,7	11,47	19,16	35,96	11,33
Upper 95% CI	1127	362,2	490,8	117	43,44
Mean ranks	75,5	43,05	48,67	37,38	24,98

