

## Level of specific IgG to PA-D1 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	
<b>Titers</b>	100	50	0	0	100
	400	50	100	100	25
	400	200	200	200	25
	200	100	200	50	0
	800	200	400	0	500
	200	400	400	100	100
	400	800	200	200	50
	1600	800	100	50	50
	400	1600	0	25	50
	800	200	200	100	0
	200	50	200	25	0
	400	25	200	0	0
	100	50	100	25	25
	200	100	400	50	25
	200	100	100	25	0
	400	200		100	0
		400		25	25
		50			25
		200			0
					0
				100	

<b>One-Way ANOVA</b>	
<b>Table Analyzed</b>	<b>PA-D1 titers</b>
<b>Kruskal-Wallis test</b>	
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	40,49
Data summary	
Number of treatments (columns)	5
Number of values (total)	88

<b>ANOVA Multiple Comparison</b>					
<b>Number of families</b>	1				
<b>Number of comparisons per family</b>	10				
<b>Alpha</b>	0,05				
<b>Dunn's multiple comparisons test</b>	<b>Mean rank diff,</b>	<b>Significant?</b>	<b>Summary</b>		
<b>1-3 vs. 4-8</b>	15,42	No	ns		
<b>1-3 vs. 9-11</b>	16,71	No	ns		
<b>1-3 vs. &gt;12</b>	39,17	Yes	****		
<b>1-3 vs. Nonvaccinated</b>	46,38	Yes	****		
<b>4-8 vs. 9-11</b>	1,295	No	ns		
<b>4-8 vs. &gt;12</b>	23,75	Yes	*		
<b>4-8 vs. Nonvaccinated</b>	30,97	Yes	**		
<b>9-11 vs. &gt;12</b>	22,45	No	ns		
<b>9-11 vs. Nonvaccinated</b>	29,67	Yes	**		
<b>&gt;12 vs. Nonvaccinated</b>	7,218	No	ns		
<b>Test details</b>	<b>Mean rank 1</b>	<b>Mean rank 2</b>	<b>Mean rank diff,</b>	<b>n1</b>	<b>n2</b>
<b>1-3 vs. 4-8</b>	69,31	53,89	15,42	16	19
<b>1-3 vs. 9-11</b>	69,31	52,6	16,71	16	15
<b>1-3 vs. &gt;12</b>	69,31	30,15	39,17	16	17
<b>1-3 vs. Nonvaccinated</b>	69,31	22,93	46,38	16	21
<b>4-8 vs. 9-11</b>	53,89	52,6	1,295	19	15
<b>4-8 vs. &gt;12</b>	53,89	30,15	23,75	19	17
<b>4-8 vs. Nonvaccinated</b>	53,89	22,93	30,97	19	21
<b>9-11 vs. &gt;12</b>	52,6	30,15	22,45	15	17
<b>9-11 vs. Nonvaccinated</b>	52,6	22,93	29,67	15	21
<b>&gt;12 vs. Nonvaccinated</b>	30,15	22,93	7,218	17	21

Descriptive Statistics					
	1-3	4-8	9-11	>12	Nonvaccinated
Number of values	16	19	15	17	21
Minimum	100,0	25,00	0,0	0,0	0,0
25% Percentile	200,0	50,00	100,0	25,00	0,0
Median	400,0	200,0	200,0	50,00	25,00
75% Percentile	400,0	400,0	200,0	100,0	50,00
Maximum	1600	1600	400,0	200,0	500,0
Mean	425,0	293,4	186,7	63,24	52,38
Std. Deviation	376,8	392,1	130,2	62,57	108,1
Std. Error of Mean	94,21	89,95	33,62	15,18	23,59
Lower 95% CI	224,2	104,4	114,6	31,06	3,183
Upper 95% CI	625,8	482,4	258,8	95,41	101,6
Mean ranks	69,31	53,89	52,60	30,15	22,93

