

## Level of specific IgG to LF-D2.3 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>	200	400	0	0	50
	400	200	400	0	0
	100	50	400	0	0
	400	100	200	0	0
	800	200	400	0	0
	800	400	200	100	0
	800	100	400	0	0
	3200	800	50	0	0
	800	400	0	0	25
	200	400	100	400	0
	800	50	0	0	0
	400	200	25	0	0
	200	1600	0	0	0
	100	200	800	0	0
	50	0	50	0	0
	100	50		0	0
		100		0	0
		25			0
		0			0
					0
				0	

<b>One-Way ANOVA</b>	
Table Analyzed	LF-D2.3 titers
<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	52,39
<b>Data summary</b>	
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>	12,11	No	ns		
<b>1-3 vs. 9-11</b>	18,49	No	ns		
<b>1-3 vs. &gt;12</b>	44,57	Yes	****		
<b>1-3 vs. Nonvaccinated</b>	47,4	Yes	****		
<b>4-8 vs. 9-11</b>	6,379	No	ns		
<b>4-8 vs. &gt;12</b>	32,46	Yes	***		
<b>4-8 vs. Nonvaccinated</b>	35,29	Yes	****		
<b>9-11 vs. &gt;12</b>	26,08	Yes	*		
<b>9-11 vs. Nonvaccinated</b>	28,91	Yes	**		
<b>&gt;12 vs. Nonvaccinated</b>	2,832	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>	70,19	58,08	12,11	16	19
<b>1-3 vs. 9-11</b>	70,19	51,7	18,49	16	15
<b>1-3 vs. &gt;12</b>	70,19	25,62	44,57	16	17
<b>1-3 vs. Nonvaccinated</b>	70,19	22,79	47,4	16	21
<b>4-8 vs. 9-11</b>	58,08	51,7	6,379	19	15
<b>4-8 vs. &gt;12</b>	58,08	25,62	32,46	19	17
<b>4-8 vs. Nonvaccinated</b>	58,08	22,79	35,29	19	21
<b>9-11 vs. &gt;12</b>	51,7	25,62	26,08	15	17
<b>9-11 vs. Nonvaccinated</b>	51,7	22,79	28,91	15	21
<b>&gt;12 vs. Nonvaccinated</b>	25,62	22,79	2,832	17	21

Descriptive Statistics					
	1-3	4-8	9-11	>12	Nonvaccinated
Number of values	16	19	15	17	21
Minimum	50	0	0	0	0
25% Percentile	125	50	0	0	0
Median	400	200	100	0	0
75% Percentile	800	400	400	0	0
Maximum	3200	1600	800	400	50
Mean	584,4	277,6	201,7	29,41	3,571
Std. Deviation	757,6	378,1	233,8	98,52	11,95
Std. Error of Mean	189,4	86,75	60,38	23,89	2,608
Lower 95% CI	180,7	95,38	72,17	-21,24	-1,869
Upper 95% CI	988,1	459,9	331,2	80,07	9,012
Mean ranks	70,19	58,08	51,7	25,62	22,79

