

Level of specific IgG to PA-D4 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	50	200	0	25	25
	400	800	400	400	0
	800	50	50	50	0
	200	50	50	50	100
	200	25	200	200	50
	200	200	100	100	0
	400	400	200	200	50
	1600	400	200	200	0
	200	400	0	0	0
	400	200	100	100	200
	100	100	400	400	50
	200	200	400	400	50
	400	100	200	0	0
	25	400	200	0	0
	400	100	100	0	25
	100	200		50	400
		25		100	0
		50			25
	25			0	
				0	
				25	

One-Way ANOVA	
Table Analyzed	PA-D4 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	26,7
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	10,7	No	ns		
1-3 vs. 9-11	12,95	No	ns		
1-3 vs. >12	21,75	No	ns		
1-3 vs. Nonvaccinated	39,94	Yes	****		
4-8 vs. 9-11	2,253	No	ns		
4-8 vs. >12	11,05	No	ns		
4-8 vs. Nonvaccinated	29,24	Yes	**		
9-11 vs. >12	8,8	No	ns		
9-11 vs. Nonvaccinated	26,99	Yes	*		
>12 vs. Nonvaccinated	18,19	No	ns		
Test details	Mean rank 1	Mean rank 2	Mean rank diff,	n1	n2
1-3 vs. 4-8	62,75	52,05	10,7	16	19
1-3 vs. 9-11	62,75	49,8	12,95	16	15
1-3 vs. >12	62,75	41	21,75	16	17
1-3 vs. Nonvaccinated	62,75	22,81	39,94	16	21
4-8 vs. 9-11	52,05	49,8	2,253	19	15
4-8 vs. >12	52,05	41	11,05	19	17
4-8 vs. Nonvaccinated	52,05	22,81	29,24	19	21
9-11 vs. >12	49,8	41	8,8	15	17
9-11 vs. Nonvaccinated	49,8	22,81	26,99	15	21
>12 vs. Nonvaccinated	41	22,81	18,19	17	21

Descriptive Statistics					
	1-3	4-8	9-11	>12	Nonvaccinated
Number of values	16	19	15	17	21
Minimum	25	25	0	0	0
25% Percentile	125	50	50	12,5	0
Median	200	200	200	100	25
75% Percentile	400	400	200	200	50
Maximum	1600	800	400	400	400
Mean	354,7	206,6	173,3	133,8	47,62
Std. Deviation	383,9	198,4	137,4	144,4	93,51
Std. Error of Mean	95,97	45,52	35,48	35,03	20,41
Lower 95% CI	150,1	111	97,24	59,57	5,054
Upper 95% CI	559,2	302,2	249,4	208,1	90,18
Mean ranks	62,75	52,05	49,8	41	22,81

