

Supplementary Table S1. Biochemical and blood parameters of the volunteers.

	Normal values (for males)	Volunteer #1	Volunteer #2	Volunteer #3
Age		33	24	23
Gender		male	male	male
biochemical analysis				
aspartate transaminase	0-37 IU/L	37.9	30.5	47
alanine aminotransferase	0-42 IU/L	20	17.8	45.5
gamma glutamyltransferase	11-50 ME/L	58.2	15.4	20.7
glutamate dehydrogenase	0-7 IU/L	3.29	4.77	7.36
cholinesterase	5300-12900 IU/L	8368	6230	10272
alkaline phosphatase	80-306 IU/L	160	149	183
leucine aminopeptidase	21,0-57,6 IU/L	41.3	32.1	39.7
total bilirubin	0-17,1 µM/L	14.2	12.3	26.9
direct bilirubin	0-4,30 µM/L	4.29	2.59	9.85
total amylase	0-220 IU/L	78.4	56.9	49.9
alpha amylase	0-115 IU/L	16	38	20.1
lipase	0-190 IU/L	139	71.5	81.8
pancreatic lipase	0-60 IU/L	52.3	32.1	35.9
creatinine	53-115 µM/L	89.9	82.8	92.1
urea	1.7-8.3 mM/L	4.06	5.79	3.3
total protein	67-87 g/L	69.6	72.3	69.6
albumin	35-50 g/L	46.9	45.2	48.8
uric acid	200-420 µM/L	411	413	431
glucose	4.2-6.4 mM/L	5.6	4.88	5.01
fructosamine	0-285 µM/L	243	255	251
glycated hemoglobin	4.5-7.5 %	6.06	5.54	5.88
creatine phosphokinase (CPK)	0-190 IU/L	445	185	851
CPK-MM	0-190 IU/L	414.4	161.5	819.5
CPK-MB	0-24 IU/L	30.6	23.5	31.5
lactic dehydrogenase	225-450 IU/L	395	248	384
oxybutyrate dehydrogenase	72-182 IU/L	168	120	165
total cholesterol	2.8-5.2 mM/L	6.68	4.87	4.25
HDL cholesterol	>0.91 mM/L	2.44	2	1.65
LDL cholesterol	<4.0 mM/L	4	2.48	1.98
triglycerides	0.55-2.30 mM/L	0.53	0.87	1.36
ferrum	6.6-26.0 mM/L	17.1	10.5	39.7
calcium	2.25-2.67 mM/L	2.55	2.6	2.37
magnesium	0.7-1.05 mM/L	0.71	0.97	1.02
inorganic phosphorus	0.87-1.45 mM/L	1.38	1.42	1.04
chlorides	98-106 mM/L	98.8	100	105
potassium	3.5-5.1 mM/L	4.17	3.57	3.56
sodium	135-145 mM/L	136.3	138.2	138.3

acid phosphatase	0-5.4 IU/L	4.09	3.09	2.52
prostate acid phosphatase	0-1.7 IU/L	1.02	0.81	1.12
hematology panel				
absolute WBC count (10 ⁹ /L)	4.0-10.0	6	5.3	5.1
RBC (10 ¹² /L)	4.0-5.7	5.03	5.16	4.98
hemoglobin (g/L)	130-173	171	152	166
haematocrit (%)	34.0-49.0	44.5	43.5	48.4
absolute thrombocyte level (10 ⁹ /L)	100-400	171	246	238
lymphocytes (%)	19.0-45.0	22.5	40	39.3
absolute lymphocyte count (10 ⁹ /L)	1.2-4.0	1.4	2.1	2
monocytes (%)	3.0-11.0	4.4	6.2	7.8
absolute monocyte count (10 ⁹ /L)	0.09-0.60	0.3	0.3	0.4
granulocytes (%)	42.0-85.0	73.1	53.8	52.9
absolute granulocyte count (10 ⁹ /L)	2.0-5.8	4.3	2.9	2.7
red cell distribution width (%)	11.5-14.5	13.7	13.7	13.9
platelet Crit (%)	0.08-1.00	0.14	0.12	0.13
mean thrombocyte volume (fL)	6.0-11.0	8.3	6	5.6
IgA (g/L)	0.70-4.00	2.07	2.27	2.72
IgM (g/L)	0.40-2.30	0.94	0.82	1.14
IgG (g/L)	7.0-16.00	8.14	11.28	9.97