

Test:	VALUE	RANGE	DATE
Aspartate Aminotransferase	22	15-37	01.2019
	101 ↑↑↑	17-59	09.2019
	1 week after exercise (1h at the gym)		
	28 , after another 5 days	17-59	09.2019
	32	17-59	01.2020
	33	18-40	07.2020
	40	<50	02.2021
Alanine aminotransferase	32	30-65	01.2019
X 4 ↑↑↑↑	113 ↑↑↑↑	5-30	09.2019
	1 week after exercise at the gym		
	49 ↑↑ after another 5 days	5-30	09.2019
	42 ↑↑ (no physical effort)	5-30	01.2020
	34 ↑ (no physical effort)	10-33	07.2020
	82 ↑↑↑↑ (no physical effort)	< 50	02.2021
	52 ↑ (no physical effort)	0-45	05.2021
Triglycerides	118	0-150	12.2019
	107	44-197	07.2020
	118	<150	02.2021
	149 (no physical effort)	<150	11.2021
Total bilirubin	1.35 ↑	0.1-1.2	05.2017
	1.19 (max)	0.1-1.2	08.2018
	0.836	<1.2	06.2019
	17 ↑↑	1.7-13.7	07.2020
Direct bilirubin	0.43 ↑↑	0-0.3	05.2017
	0.37 ↑	0-0.3	08.2018
	0.3 ↑↑ (50%↑↑)	< 0.2	02.2021
Indirect bilirubin	0.31 ↑	0-0.3	09.2018
Serum complement C3	1.33	0.9-1.8	02.2021
Serum complement C4	0.35	0.1-0.4	02.2021
Total cholesterol	114 ↓	140-200	02.2018
	122 ↓	140-200	07.2020
Total lipids	507 ↓	600-900	02.2021
LDL cholesterol	67	<110	02.2018
	55 ↓	60-160	07.2020
	67	<129	02.2021
HDL cholesterol	42	(>40)	02.2018
	34 ↓	40-60	01.2019
	42	40-55	02.2021

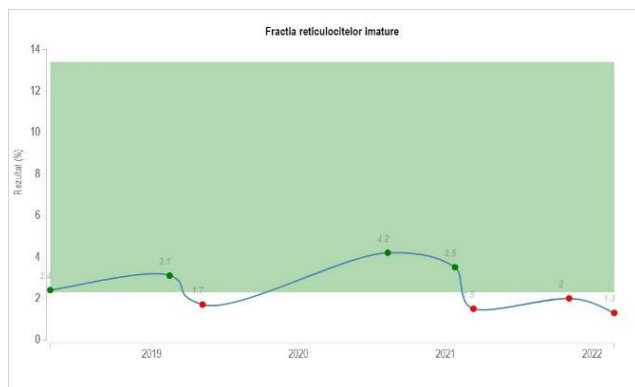
Lipase	56	23-300	2018
	78	23-300	09.2019
	24	<60	01.2022
Serum AMYLASE	21	18-200	2018
	22 ↓	25-115	01.2019
	18 ↓↓↓	30-118	05.2019
	19 ↓	22-80	02.2021
	20 ↓		
Urinary Amylase	91.3	16-491	01.2022
Fecal calprotectin	<15	<50	02.2018
Pancreatic elastase in feces	424 (unrepeated)	over 200: „ Normal exocrine pancreas ”	05.2019
Lipoprotein electrophoresis	Pre-beta 26.3 % ↑	4.4-23.1	09.2018
	Chylo 0.6 %	<2	
	Beta 41.8 %	38.6-69.4	
	Alfa 31.3%	22.3-53.3	
	Pre-beta 22.4 %	4.4-23.1	02.2019
	Chylo 0.2 %	<2	
	Beta 39 %	38.6-69.4	
	Alfa 38.4%	22.3-53.3	
Alkaline phosphatase	111	65-260	10.2018
	136 ↑	46-116	01.2019
	147 ↑	<129	04.2019
	87	38-129	07.2020
	83	30-120	07.2021
Gamma-glutamyltransferase	16	12-33	02.2018
	31	11-34	09.2019
(GGT)	25 ↑	7-21	07.2020
Alpha 1 antitrypsin	1.17	0.9-2	04.2021
Pseudochoolinesterase or cholinesterase IIa3	9925	5320-12920	04.2021
Creatine kinase-MB	15	<24	06.2019
	12	<24	02.2021
Creatine kinase (CK)	130	55-170	05.2018
	119	<308	06.2019
7.6 times x the normal range max value >>	2829 ↑↑↑↑ 1 week after exercise at the gym	55-370	18.09.2019

CK	167: 2 weeks after exercise at the gym	55-370	23.09.2019
	109 without any effort	0-171	12.2019
	141 (after 20 hours in a train)	<171	02.2021
	98 (after 5 days in bed, at hospital)	<171	02.2021
LDH (Lactate dehydrogenase)	438	313-618	05.2018
	158	<248	02.2021
Left arm ischemia test (post-exercise serum lactate)	(5 min arm strain): Increase of over 200%	Test nr 1: 1.3 mmol/l Test nr 2: 4.3 mmol/l Test nr 3: 1.3 mmol/l	02.2021
Lactate dehydrogenase: Isoenzymes:			
LDH 1	0.51 µmol/sL	< 1.32	02.2021
LDH 2	0.77 µmol/sL	< 1.75	
LDH 3	0.57 µmol/sL	< 1.1	
LDH 4	0.3 µmol/sL	< 0.52	
LDH 5	0.34 µmol/sL	< 0.73	
LDH total	2.49 µmol/sL	< 4.2	
Erythrocyte pyruvate kinase	13.2 U/g Hb	5.3-17.3	02.2021
Serum myoglobin (no effort or event)	33.4 ng/mL	23-72	03.2021
Urinary myoglobin	Not present	on „strip“	02.2021
Bicarbonate (CO2)	25 mmol/L	22-29	03.2021
Thiamine pyrophosphate (vit B1)	61.1	28-85	03.2021
Acetylcholine anti-receptor antibodies (miastenia gravis)	<0.2	<0.25	12.2021
Glucose (A jeune)	77-90 (2018), 63-90 (2019), 66-95 (2020) 2021: acute hunger, often	70-100	
Glycosylated hemoglobin	4.84 %	4-6 %	09.2019
	4.9 %	4.8 - 5.9 %	07.2020
HOMA (Homeostatic Model Assessment for Insulin Resistance)	4.59 ↑↑	> 2.5: increased probability of insulin resistance	01.2021
	5.2 ↑↑↑	> 5: the average value in diabetics	08.2021
INSULIN	23,16	2,6-24,9	07.2020
	20.4	2,6-24,9	01.2021
Decreasing	(↓↓ in 2 weeks) 9.72	1.9-23	02.2021

Serum osmolality	<u>277</u> ↓	280 – 300	01.2019
	279 ↓	280 – 300	09.2019
<u>Serum ionic calcium</u>	4.417 ↑	4- 4.3 mg/dL	09.2019
	4.33 ↑	4- 4.3 mg/dL	01.2020
	4.89	4.4-5.4	02.2021
Total calcium	9.8	8.9-10.7	09.2019
	10.1	8.9-10.7	01.2020
<u>Serum sodium (Na+)</u>	147 ↑	137-145	07.2019
(mmol/L)	141	137-145	07.2020
	149 ↑	136-146	02.2021
Serum potassium	3.87	3.1-5.1	05.2018
	4.43	3.1-5.1	07.2019
	4.46	3.5-5.1	02.2021
Serum magnesium	1.9	1.6-2.4	07.2020
	2.24	1.8-2.6	02.2021
	2.1	1.9-2.5	07.2021
Serum phosphorus	1.21	0.78-1.65	01.2020
	3.6	2-5 mg/dl	07.2021
Serum chlorine	103	101-109	12.2019
	103	97-111	07.2020
NT pro-BNP	19 µg/dL	<206 for M sex, 16 years	05.2018
Serum Copper	92	64-114	10.2018
	0.74 mg/L	0.7-1.39	15.12.2021
Copper in 24h urine	21 µg/L	<16	15.12.2021
<u>Ceruloplasmin</u>	16	15-30	04.2021
	181.60 ↓	200-600	05.2021
<u>IRON</u>	110	65-175	01.2019
	135	70-180	02.2021
	68 ↓	70-180	05.2021
After 1 month of supliment: (to normal without supplement)	57 ↓ still decreasing	70-180	07.2021
	104	59-158	11.2021
Ferritin	58.97	20-250	04.2019
	88.1	15-300	07.2021

Total iron-binding capacity (TIBC)	336	228-428	05.2019
Serum folate	7.6	4.6-34.8	05.2019
Folic acid	8.4	5.9-23.2	02.2021
Vitamin B12	334	214-864	05.2019
	405	180-914	02.2021
<u>25-OH Vitamin D</u>	<u>21 ↓↓</u>	30-50	06.2019
	32,8 ng/ml – after 3 months (june-august) of vitD 2000 UI/day	30-100	10.2019
	<u>27.6 ↓</u>	30-100	02.2021
MCH (mean corpuscular hemoglobin)	28.5 ↓	29-33	08.2018
Medium erythrocyte volume	81.6 ↓	81.8-95.5	11.2020
MPV (medium platelet volume)	5.5 ↓↓	7.4-10.4	05.2018
	5.5 ↓↓	7.4-10.4	08.2018
	5.2 ↓↓	6.1-8.9	09.2019
<u>Reticulocytes</u>	<u>0.029</u>	<u>0.029-0.092</u>	11.2019
Reticulocytes %	<u>0.55 % ↓↓</u>	0.8-2.0 %	
Reticulocytes with low nuclear content	<u>97.2 % ↑</u>	76-95	
Reticulocytes with medium nuclear content	<u>1.9 % ↓↓↓↓</u>	4-18	
Reticulocytes with high nuclear content	0.9 %	0.0 - 6	
Procent of immature ret.	<u>0.028 ↓↓↓</u>	0.04 – 0.23	
LYMPHOCYTES (absolute number)	1.4 ↓	1.5-6.5	07.2019
LYMPHOCYTES %	44.20 ↑	20-40%	12.2019
	22.9 ↓	30-54%	07.2020
Neutrophil %	44.90 ↓	50-70	12.2019
Erythropoietin	3.1 ↓	4.3-29	05.2019
<u>Reticulocytes</u>	26 thousand /μL ↓	30-120	05.2019
	30 thousand /μL	30-120	03.2021
Immature reticulocytes fraction	1.7 ↓↓	2.3 - 13.4 %	05.2019
	<u>1.5 ↓↓</u>	2.3 - 13.4 %	03.2021
	<u>1.3 ↓↓↓</u>	2.3 - 13.4 %	02.2022

Graffic: immature reticulocytes fraction 2018-2022:



Hemoglobin electrophoresis	07.2021	01.2022
Hb A	97,3 % (95-97,9)	97,3 %
Hb A2	2,7 % (2-3,5)	2,7 %
Hb F	0 (<=2,1)	-

Blood smear (from the vein)	15 oct 2018	31 oct 2018	8 mai 2019	Iulie 2021	Febr. 2022
Segmented neutrophils %	47	30	54	54.20 (45-70) 2470/mm3	52
Lymphocytes %	43	56	37	38.40 (22-43) 1750/mm3	38
Monocytes %	8	12	8	5.10 (0-7) 230/mm3	9
Eosinophils %	2	-	1	1.80 (0-4.1) 80/mm3	1
Basophils %	0	2	-	0.60 (0-1.8) 30/mm3	0

QUICK time AP	79.927 %	>70 %	04.2019
INR	1.178	<1.5	
PT	12.7/s ↑	9.1-12.1/s	
Prothrombin index (IP/PT%)	77.6 ↓	80-120	02.2021
INR	1.24 ↑	0.8-1.22	
PT	13.7 ↑	10.5-13.4	

FIBRINOGEN	255	200-400 mg/dl	01.2019
	230	150-400	12.2019
	182.7 ↓	200-400	02.2021

Immunoglobulins:

06.2018: IgA: 42,3 ↓↓↓ mg/dL (90-450); IgG: 944,7 mg/dL (800-1800); IgM: 29 ↓↓↓ mg/dL (60-280);

IgE: 24.6 UI/mL (<100);

09.2018: IgA: 62.91 ↓↓ mg/dL (90-450); IgG: 724.20 ↓ mg/dL (800-1800); IgM: 76.21 mg/dL (60-280);

10.2018: IgA: 100.53 mg/dL (90-450); IgG: 749.82 ↓ mg/dL (800-1800); IgM: 92.17 mg/dL (60-280);

12.2019: IgA: 0.75 g/L (0.07-0.94); IgG: 8.52 g/L (7-16); IgM: 0.69 mg/L (0.4-2.3);

IgE: 1.25 UI/mL (<100);

02.2020: IgA: 0.9 g/L (0.7-4); IgG: 9.41 g/L (7-16); IgM: 0.72 mg/L (0.4-2.3);

11.2021: IgA: 107 mg/dL (70-400); IgG: 1009 mg/dL (700-1600); IgM: 86.5 mg/dL (40-230);

IgD : <13 UI/mL (< 100), IgE: 4.68 UI/mL (<100);

Direct plasma RENIN	20.12	Standing: 4.4 – 46.1 Lying down: 2.8 – 39.9	12.2019
x 3 >>	83.58 ↑↑↑↑	Standing: 2.64 – 27.66 Lying down: 1.68 – 23.94	07.2020
Serum Aldosterone	209.91 Ortostatism, h: 10.39	Standing: 13.3- 231.4 Lying down: 12.0 – 157.5	01.2020
	113.00	Standing: 24.4 – 403 Lying down: 18.8 – 256.7	07.2020
Serum Cortisol	351.7 (h 14.30)	172-497 nmol/L (7-10 AM)	03.2016
	162.2 ↓ h 8:30 AM	172-497 nmol/L	06.2019
	6.67 ↓↓ h 9:13 AM	11.8-28	07.2019
Free urinary cortisol (24 h)	89.22 ↓↓	138-1517	06.2019
	286.9	138-1517	01.2020
Salivary cortisol	< 1.5 nmol/L Taken at 23:00	Hours 6-10: < 24,1 Hours 16-20: < 9.65 Hour 24: < 11.3	07.2019
ACTH (adenocorticotrophic hormone)	32 pg/ml	7.2-63.3	02.2019
	16.25 pg/ml	7.2-63.3	07.2019
	14 pg/mL	<46	10.2019
	13,6	5-46	01.2020
	29.05	3-66	07.2020
DHEA – S (dehydroepiandrosterone - sulfate)	308.6 µg/dl	70.2-492	07.2019
	347.5	70.2-492	07.2020
Intact PTH	31.1	11-67	01.2020
Calcitonin	2.72	Men: < 8.4 pg/ml	01.2020
TSH	1.28	0.51-4.3	04.2018
	1.43	0.92-3.1	07.2019
	1.27	0.4-4	02.2021
TSH receptor antibodies (TRAb)	0.9	<1 negative 1-1.5 uncertain	02.2021
Anti Thyroperoxidase (ATPO)	14	<34	04.2018
	<10	0-35	01.2020
	0.72	<10	02.2021

Antithyroglobulin antibodies (ATG)	<1	<4	02.2021
Free T3 (free thyroiodothyronine)	3.80	1.8-4.2	01.2019
T4	16.25	12.6-21	04.2018
Free T4 (Free thyroxine)	<u>0.9</u> (minimum)	0.9 -1.76	01.2019
	1.07	0.77-1.59	07.2019
	1.02	0.77-1.59	01.2020
	0.85	0.7-1.3	02.2021
LH (Lutropin)	5.91 ↑	1.6- <u>4.8</u>	07.2019
	3.38	1.6-4.8	01.2020
17 – hydroxyprogesterone	2.08 ng/ml	Copii 15-18 ani: 0.42-2.26 Barbati: 0.5 – 2.1	07.2019
	2.609 ↑	Copii 14-18 ani: 0.42- 2.26 Barbati: 0.5- 2.1	01.2020
	1.87	0.2-2.3	07.2020
PROGESTERONE	0.250 ↓↓↓↓	1.2 -3 ng/ml	01.2020
IGF- i (somatomedin C)	508 ↑	131- <u>490</u>	07.2019
Total testosterone	311 ↓	Alt interval de valori	01.2019
	277 ↓	<u>285</u> -800	07.2019
	249 ↓↓	<u>285</u> -800	01.2020
	3.85	1.68-7.58	02.2021
Free testosterone	11.43 pg/mL	B, 12-18 ani: 0.18-23.08	10.2019
FSH	5.10 mIU/ml	2-14.5	07.2019
	3.18	2-14.5	01.2020
Estradiol	<20 pg/ml	0-32	07.2019
Prolactin	11,3	7-15,5	07.2019
	15.9 ↑ Increasing due to liver damage?	2.64- 13.2	02.2021

Serum uric acid	5.1 mg/dl	<7	04.2018
	6	<7	06.2019
	5.6	3.5-8.5	07.2020
	5.47	3.5-7.2	02.2021
Serum urea	22	15-43.3	07.2015
	23	11-45	09.2019
	26	<39	06.2019
	<u>15.72</u> ↓	19-49	06.2020
	22	15-50	07.2020
	23.7	13-43	11.2020
	18	17-43	02.2021
Urea nitrogen (BUN)	12	<18	06.2019
Serum creatinine	0.9	0.9-1.43	07.2015
	0.73 mg/dl	0.66-1.25	09.2018
	0.74 mg/dl	<1.2	06.2019
	<u>0.65</u> ↓	0.66 -1.25	01.2020
	<u>0.66</u> ↓	0.67 -1.17	02.2021
	<u>0.67</u> ↓↓	0.72 -1.20	07.2021
GFR (Glomerular Filtration Rate) - creatinine based estimation	103	>90 normal or increased	06.2019
	132		08.2020
	129.5		11.2020
Ammonia (serum)	21	9-30	10.2018
	33.8	16-60	06.2019

Date (Age)	PH	Densitate	URINARY SEDIMENTS
08.2007 (5Y, 7M)	7	1020	Flat epithelium: relatively common; leukocytes: relatively common, red blood cells: common; calcium oxalate crystals : very common; very common amorphous salts .
09.2008 (6Y, 8M)	6.8	1020	Albumin: fine traces, flat epithelia: frequent, leukocytes: relatively common.
07.2015 (13Y, 5M)	5	1025	Flat epithelia, red blood cells: rare, leukocytes: rare, microcrystals, mucus filaments. July 2015: when the states of fatigue STARTED
02.2018 (16Y)	6	1025 (max)	Flat epithelia, red blood cells present, rare leukocytes, "salts".
06.2018	8 ↑	1015 (min)	Crystals. Amorphous phosphate: abundant, AMMONIA-MAGNESIAN phosphate Epithelial cells, leukocytes.
08.2018	5	1,030 (MAX)	Flat epithelium: relatively common, Leukocytes: relatively common. Red blood cells, Uroculture: polymorphic flora has developed.

Urine/24h tests:	Value:	Range:	Date:
Urinary uric acid /24h	727.9	200-750 mg/24h	06.2019
	762.2 ↑	200-750 mg/24h	01.2020
	819 ↑↑	200-750 mg/24h	07.2020
	0.35	0.2-1.0 g/24h	07.2021
Urine urea /24h	8.78 ↓	10-35 g/24h	07.2021
Urinary creatinine /24h	2254.17	1040-2350 mg/24h	06.2019
	2167.83	1040-2350 mg/24h	01.2020
	1.83 ↑	0.74-1.74	07.2020
→ x 4	200 ↑↑↑↑	10-50 mg/dl	03.2022
Urinary sodium /24 h	144 ↑	Children: 41-115 mmol/day	06.2019
	277.5 ↑↑	Adults : 40-220 meq/24h	01.2020
	329.4 ↑↑	40-220	07.2020
(In serum: normal Na)	425.5 ↑↑	40-220	05.2021
	105	40-220	07.2021
Urinary calcium / 24h	165.3	Children <6 mg/kg body/day: 84 kg : < 504	06.2019
	259.26	< 504	06.2019
	381.84 ↑	Adults: 100-320 mg	01.2020
	0.23	0.07-0.30	07.2020
Urinary potassium /24h	71.76 ↑	Children: 10-60	06.2019
	96.385 ↑	10-60	01.2020
	98.87	Adults: 25-125 g/24h	07.2020
	157.55 ↑		05.2021
	24.4 ↓	25-125 g/24h	07.2021
Urinary magnesium /24h	142.97 ↑	72.9-121.5 mg/24h	06.2019
Urinary phosphorus /24h	1.25	0.4-1.3	07.2020
Urinary chlorine /24h	90.3 ↓	110.0-250.0 meq/L	07.2021
Quantitative albumen /24h	961.64 ↑↑↑↑ 1 week after exercise at the gym (when CK x 7)	42-225	09.2019
	297.18 ↑	42-225	01.2020
	405.00 ↑↑	42-225	07.2020
Albuminuria (mg/24 h)	30	<30: normal/slightly increased 30-300: moderated	08.2021
Urinary glucose /24h	0.078	<0.5 g/24 h	06.2019
	0.126		01.2020
	0.06 ↑	0 g/24 h	08.2021

02.2021: Left arm ischemia test (post-„exercise“ serum lactate: 5 min arm strain): Ph: 7.243, Hhb: 45.8 ↑↑↑, 54.3 ↑↑↑ (val. max.: 3)

Barometric Pressure 717.1 mmHg
 Patient ID auto999
 FIO2% 20.9 %
 Patient Temperature °C 37.0

auto999 - Syringe - Venous

Test	Value	Units
pH	7.243	
pCO ₂	72.8	mmHg ↑↑
pO ₂	38.1	mmHg ↑↑
SO ₂	54	% ↑↑
Hct	45	%
tHb	14.8	g/dL
Na	144.4	mmol/L ↑
K	3.64	mmol/L ↓
Cl	105.0	mmol/L ↑
iCa	1.35	mmol/L ↑
iMg	0.66	mmol/L ↑
Glu	78	mg/dL
Lac	4.3	mmol/L ↑↑
O ₂ Hb	53.2	% ↑↑
COHb	0.6	%
MetHb	0.3	%
Hhb	45.8	% ↑↑↑
tBil	3.8	mg/dL ↑
HbF	1.4	% ↑
TCO ₂	33.9	mmol/L ↑

auto999 - Syringe - Venous

Test	Value	Units
pH	7.399	
pCO ₂	47.4	mmHg ↑
pO ₂	30.1	mmHg ↑↑
SO ₂	45	% ↑↑
Hct	44	%
tHb	14.6	g/dL
Na	140.9	mmol/L
K	3.99	mmol/L
Cl	106.9	mmol/L ↑
iCa	1.28	mmol/L
iMg	0.64	mmol/L ↑
Glu	88	mg/dL
Lac	1.3	mmol/L
O ₂ Hb	44.4	% ↑↑
COHb	0.8	%
MetHb	0.5	%
Hhb	54.3	% ↑↑↑
tBil	3.9	mg/dL ↑
HbF	0.5	%
TCO ₂	31.0	mmol/L ↑

auto999 - Syringe - Venous

Test	Value	Units
pH	7.390	
pCO ₂	45.5	mmHg ↑
pO ₂	48.9	mmHg ↓
SO ₂	81	% ↑↑
Hct	44	%
tHb	14.3	g/dL
Na	141.5	mmol/L
K	3.76	mmol/L ↓
Cl	106.0	mmol/L ↑
iCa	1.29	mmol/L
iMg	0.64	mmol/L ↑
Glu	77	mg/dL
Lac	1.5	mmol/L
O ₂ Hb	80.5	% ↑↑
COHb	0.7	%
MetHb	0.4	%
Hhb	18.4	% ↑↑
tBil	2.2	mg/dL ↑
HbF	1.6	% ↑
TCO ₂	29.2	mmol/L ↑

Calculated

Test	Value	Units
BE-ecf	4.1	mmol/L
BE-b	2.5	mmol/L
SBC	25.5	mmol/L
HCO ₃ ⁻	31.7	mmol/L
O ₂ Cap	20.6	mL/dL
A	53.1	mmHg
O ₂ Ct	11.2	mL/dL ↓
A-aDO ₂	15.0	mmHg
a/A	0.7	
P ₅₀	29.9	mmHg
RI	0.4	
pO ₂ /FIO ₂	182.3	
nCa	1.23	mmol/L
nMg	0.59	mmol/L
Gap	7.7	mmol/L
nCa/nMg	2.1	mol/mol
CcO ₂	20.2	mL/dL
ePVS	3.716	dL/g
ΔePVS	0.9	%

Calculated

Test	Value	Units
BE-ecf	4.6	mmol/L
BE-b	4.4	mmol/L
SBC	27.0	mmol/L
HCO ₃ ⁻	29.6	mmol/L
O ₂ Cap	20.2	mL/dL
A	83.2	mmHg
O ₂ Ct	9.2	mL/dL ↓
A-aDO ₂	53.0	mmHg
a/A	0.4	
P ₅₀	32.2	mmHg
RI	1.8	
pO ₂ /FIO ₂	144.2	
nCa	1.28	mmol/L
nMg	0.64	mmol/L
Gap	4.4	mmol/L
nCa/nMg	2.0	mol/mol
CcO ₂	19.9	mL/dL
ePVS	3.836	dL/g
ΔePVS	-13.3	%

Calculated

Test	Value	Units
BE-ecf	2.7	mmol/L
BE-b	2.8	mmol/L
SBC	26.5	mmol/L
HCO ₃ ⁻	27.8	mmol/L
O ₂ Cap	19.7	mL/dL
A	85.5	mmHg
O ₂ Ct	16.3	mL/dL ↓
A-aDO ₂	36.7	mmHg
a/A	0.6	
P ₅₀	27.0	mmHg
RI	0.8	
pO ₂ /FIO ₂	233.7	
nCa	1.28	mmol/L
nMg	0.63	mmol/L
Gap	7.6	mmol/L
nCa/nMg	2.0	mol/mol
CcO ₂	19.6	mL/dL
ePVS	3.916	dL/g
ΔePVS	1.1	%

Measured

Test	Reference		Alert	
	Low	High	Low	High
pH	7.380	7.440	7.210	7.590
pCO ₂	35.0	45.0	19.0	67.0
pO ₂	75.0	100.0	43.0	160.0
SO ₂	95	99	85	100
Hct	36	50	18	61
tHb	12.0	18.0	6.6	19.9
Na	136.0	142.0	120.0	158.0
K	3.80	5.00	2.80	6.20
Cl	95.0	103.0	75.0	126.0
iCa	1.12	1.32	0.82	1.55
iMg	0.42	0.59	0.30	0.80
Glu	70	110	46	484
Lac	0.6	2.2	0.3	3.4
O ₂ Hb	94.0	98.0	85.0	100.0
COHb	0.5	1.5	0.3	20.0
MetHb	0.3	1.5	0.3	10.0
Hhb	0.4	3.0	0.4	10.0
tBil	0.5	2.0	0.5	15.0
HbF	0.0	0.6	0.0	25.0
TCO ₂	22.0	29.0	10.0	50.0

Measured

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	Low	High	Low	High
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O ₂ Hb	94.0	98.0	85.0	100.0
COHb	0.5	1.5	0.3	20.0
MetHb	0.3	1.5	0.3	10.0
Hhb	0.4	3.0	0.4	10.0
tBil	0.5	2.0	0.5	15.0
HbF	0.0	0.6	0.0	25.0
TCO ₂	22.0	29.0	10.0	50.0

Calculated

Test	Reference		Alert	
	Low	High	Low	High

Calculated

Test	Reference		Alert	
	Low	High	Low	High