

## Bloodwork

Category	Test	Current Result	Unit	Reference Range	Previous 09.10.23	Previous 05.11.22
Biochemistry	Fasting Glucose	77.00	mg/dL	70 - 99	88	78
Biochemistry	Fasting Insulin	6.50	uU/mL	2.59 - 70.8	10	6.2
Biochemistry	HOMA1-IR (Insulin Resistance)	1.24		< 2.7	2.17	1.19
Biochemistry	HbA1c (%)	5.40	%	< 5.7	5.4	
Biochemistry	HbA1c	36	mmol/molHb	< 39	36	
Lipid Panel	Total Cholesterol	168.00	mg/dL	< 170	197	165
Lipid Panel	HDL Cholesterol	59.00	mg/dL	30 - 63	65.6	75.8
Lipid Panel	Non-HDL Cholesterol	109.00	mg/dL	< 120		
Lipid Panel	Direct LDL Cholesterol	92.60	mg/dL	< 110	98.4	98
Lipid Panel	Triglycerides	49.00	mg/dL	< 90	47	42
Lipid Panel	VLDL	9.80	mg/dL	10 - 40	9.4	
Liver / Kidney	Serum Albumin	48.00	g/L	35 - 52	47.9	47.2
Liver / Kidney	ALT	17.00	U/L	10 - 40	18	15
Liver / Kidney	AST	31.00	U/L	15 - 40	27	28
Liver / Kidney	GGT	17.00	U/L	<43	15	15
Liver / Kidney	ALP	308.00	U/L	82 - 331	388	221
Liver / Kidney	BUN	13.08	mg/dL	7.3 - 21	11.22	11.22
Liver / Kidney	Serum Urea	28.00	mg/dL	15.6 - 44.9	24	24
Liver / Kidney	Creatinine	0.80	mg/dL	0.5 - 1	0.62	0.58
Liver / Kidney	Uric Acid	8.50	mg/dL	2.6 - 7.6	5.1	4.9
Electrolytes / Iron	Sodium	137.00	mmol/L	136 - 146	138	136
Electrolytes / Iron	Serum Potassium	4.70	mmol/L	3.5 - 5.1	5.6	4.3
Electrolytes / Iron	Serum Calcium	9.60	mg/dL	8.8 - 10.6	10.2	9
Electrolytes / Iron	Iron	62.00	ug/dL	50 - 170	64	107
Electrolytes / Iron	Total Iron Binding Capacity (TIBC)	301.00	ug/dL	250 - 400	277	285

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Electrolytes / Iron	UIBC (Unsaturated Iron Binding Capacity)	239.00	ug/dL	155 - 355	213	178
Electrolytes / Iron	Transferrin Saturation	20.60	%	20 - 50	23.1	37.54
Electrolytes / Iron	Ferritin	29.5	ng/mL	20 - 155	23.2	32.3
CBC	White Blood Cells (WBC)	6.91	10 <sup>3</sup> /uL	3.84 - 9.84	5.09	6.11
CBC	Red Blood Cells (RBC)	5.57	10 <sup>6</sup> /uL	4.03 - 5.29	5.28	5.19
CBC	Hemoglobin	14.6	g/dL	13.5 - 17.5	13.7	15.10
CBC	Hematocrit	47.10	%	33.9 - 43.5	43.2	43.5
CBC	MCV	81.8	fL	80 - 96	83.8	84.60
CBC	MCH	27.10	pg/cell	28 - 33	27.7	26.4
CBC	MCHC	33.8	g/dL	30 - 36	31.5	32.10
CBC	Platelets (PLT)	296	10 <sup>3</sup> /uL	175 - 332	285	280.00
CBC	MPV	10.3	fL	9.6 - 11.8	10.9	10.70
CBC	Neutrophils %	55.4	%	32.5 - 74.7	47.1	44.20
CBC	Neutrophils #	3.82	10 <sup>3</sup> /uL	1.54 - 7.04	2.4	2.70
CBC	Lymphocytes %	28.9	%	16.4 - 52.7	35.6	41.10
CBC	Lymphocytes #	2	10 <sup>3</sup> /uL	0.97 - 3.26	1.81	2.51
CBC	Monocytes %	8.5	%	4.4 - 12.3	7.5	7.00
CBC	Monocytes #	0.59	10 <sup>3</sup> /uL	0.18 - 0.78	0.38	
CBC	Eosinophils %	7.00	%	0 - 4	6.8	9.2
CBC	Eosinophils #	0.43	10 <sup>3</sup> /uL	0.04 - 0.38	0.47	0.47
CBC	Basophils %	0.4	%	0 - 0.7	0.6	0.70
CBC	Basophils #	0.03	10 <sup>3</sup> /uL	0.01 - 0.05	0.03	0.04
CBC	PCT	0.3	%	0.17 - 0.32	0.31	0.30
CBC	RDW-CV	12.6	%	12.4 - 14.5	12.8	13.30

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CBC	PDW	11.3	%	10.1 - 16.1	12.6	12.40
Urine / Renal	24h Urine Beta-2 Microglobulin	0.42	mg/day	<0.36		
Urine / Renal	Urine Volume	2100	mL			
Urinalysis	Color	Yellow			Yellow	Yellow
Urinalysis	Specific Gravity	1025		1015 - 1025	1025	1020
Urinalysis	pH	6.00		4.8 - 7.4	6	6.5
Urinalysis	Glucose	Negative		Negative	Negative	Negative
Urinalysis	Protein	Negative		Negative	Negative	Positive (+)
Urinalysis	Bilirubin	Negative		Negative	Negative	Negative
Urinalysis	Urobilinogen	Normal		Normal	Normal	Normal
Urinalysis	Ketones	Negative		Negative	Negative	Negative
Urinalysis	Nitrite	Negative		Negative	Negative	Negative
Urinalysis	Leukocyte Esterase	Negative		Negative	Negative	Negative
Urinalysis	Erythrocytes	Negative		Negative	Negative	Negative
Urinalysis	Urine Microscopy	Rare leukocytes seen				
Vitamins / Metabolism	Homocysteine	7.32	umol/L	4.7 - 10.3	7.33	9.26
Vitamins / Metabolism	Vitamin B12	549.00	pg/mL	> 187	547	893
Vitamins / Metabolism	Folic Acid (Vitamin B9)	3.30	ng/mL	3.1 - 20.5	4.1	3.8
Hormones / Thyroid	25-OH Vitamin D	21.50	µg/L	> 20	39.4	28.1
Hormones / Thyroid	PTH (Intact)	36.79	pg/mL	9 - 52	20.66	20.92
Hormones / Thyroid	TSH	2.67	uU/mL	0.5 - 4.3	1.95	0.72
Hormones / Thyroid	Free T3	3.08	pg/mL	2.25 - 3.85	3.96	3.65
Hormones / Thyroid	Free T4	0.98	ng/dL	0.70 - 1.53	0.95	1.02
Hormones / Thyroid	Anti-TPO	0.38	IU/mL	< 5.61	0.22	0.14

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Hormones / Thyroid	Anti-Thyroglobulin (Anti-Tg)	1.06	IU/mL	0.01 - 4.11	0.87	1.34
Hormones / Reproductive	Estradiol (E2)	<10.00	pg/mL	Stage-dependent		
Hormones / Reproductive	Total Testosterone	588.37	ng/dL	Tanner stage-dependent	553.14	
Hormones / Reproductive	SHBG	42.90	nmol/L	10 - 60	57.4	
Hormones / Reproductive	Total PSA	0.440	ng/mL	0 - 4		
Hormones / Adrenal	Cortisol	10.40	ug/dL	Child 1 - 31	10.3	
Hormones / Adrenal	DHEA-SO4	257.80	ug/dL	45.1 - 385.0	197.5	
Inflammation	ESR (Erythrocyte Sedimentation Rate)	4.00	mm/hour	0 - 15		
Trace Elements	Serum Selenium	85.76	ug/L	50 - 110	78.85	72
Trace Elements	Intracellular Zinc (RBC Zinc)	1036.50	ug/dL	1000 - 1800		
Trace Elements	Intracellular Magnesium (RBC Magnesium)	5.53	mg/dL	3.6 - 7.4	5.57	
Trace Elements	Spot Urine Iodine/Creatinine	39.50	mcg/g creatinine	34 - 420	91.67	131.53
Trace Elements	Spot Urine Iodine	60.06	ug/L	See WHO categories	87.98	89.6
Trace Elements	Spot Urine Creatinine	152.05	mg/dL		95.97	68.12
Microbiology / Immunology	CRP	<0.70	mg/L	0 - 5	1.53	<1.00
Microbiology / Immunology	High-Sensitivity CRP	0.20	mg/L	< 1	0.2	
Microbiology / Immunology	Total IgE	1893	IU/mL	0 - 100	>2000.00	1988
Microbiology / Immunology	IgA	2.51	g/L	0.52 - 3.19		
Infectious Disease	HBsAg	0.23 Negative	S/CO	Negative <1.00		

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Infectious Disease	Anti-HBs	30.96 Positive	mIU/mL	Negative <10		
Infectious Disease	Anti-HCV	0.19 Negative	S/CO	Negative <1.0		
Infectious Disease	HIV Combo (1/2 Ag + Ab)	0.17 Negative	S/CO	Negative <1.00		
Serology	Anti-Gliadin (Deamidated) IgG (ELISA)	<2 Negative	RU/mL	<25 Negative		
Serology	Anti-Tissue Transglutaminase IgA (ELISA)	<2 Negative	RU/mL	<20 Negative		