

Lab Results

Patient Name: John Smith **Lab No:** 2020-FM234709823941
HC#: 582937597198 **Patient ID:** JS135
Age: 20 years **Referring Site:** Green Valley Hospital
DOB: January 1, 2000 **Id:** 2324
Date of Service: May 1, 2020 **Reported by:** Leaf Labs
Reported on: May 2, 2020
Ordered by: Dr. Jane Doe

Hemogram	Flags	Results	Reference	Units
RBC (Female)		4.31	4.0-5.2	X10 ¹² /L
RBC (Male)			4.4-5.7	X10 ¹² /L
Hemoglobin (Female)		133	115-155	g/L
Hemoglobin (Male)			140-175	g/L
Hematocrit (Female)		0.386	0.370-0.460	L/L
Hematocrit (Male)			0.420-0.520	L/L
MCV		90	80-100	fL
MCH		30.9	27-34	pg
MCHC		345	350-450	g/L
RDW		12.4	11.5-14.5	%
Platelet Count		233	130-400	X10 ⁹ /L
MPV			9.0-14.0	fl
Reticulocyte count			20-84	X10 ⁹ /L
NRBC (nucleated red blood cells)			0.00 – 0.00	X10 ⁹ /L

White Blood Cells & Differential	Flags	Results	Reference	Units
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WBC	HI	12.5	4-11	X10 ⁹ /L
Segmented neutrophils		3.4	2.0-7.5	X10 ⁹ /L
Band neutrophils		0.5	<0.7	X10 ⁹ /L
Lymphocytes		1.8	1.1-3.5	X10 ⁹ /L
Monocytes		0.5	0.0-0.8	xE9/L
Eosinophils		0.1	<0.45	X10 ⁹ /L
Basophils		0.1	<0.2	X10 ⁹ /L

Chemical Constituents	Flags	Results	Reference	Units
Albumin (serum)			35-50	g/L
Alkaline phosphatase (serum)			38-126	U/L
Aminotransferase (transaminase) (serum)				
Alanine (ALT; SGPT)			3-36	U/L
Aspartate (AST; SGOT)			0-35	U/L
Gamma glutamyl transferase			6-34	
Female			10-30	U/L
Male			10-35	U/L
Amylase (serum)			<160	U/L
Bicarbonate (HCO ₃) (serum)			22-30	mmol/L
Bilirubin (serum)			2-20	
ALT			12-41	U/L
AST			10-63	U/L
Direct (conjugated)			<7	
Total			<26	
Calcium (serum)				
Total			2.18-2.58	mmol/L
Ionized			1.05-1.30	mmol/L
Chloride (serum)			98-111	mmol/L
Cholesterol (serum)			<5.2	mmol/L
Low density lipoprotein (LDL)			<3.37	mmol/L
High density lipoprotein (HDL)			>0.9	mmol/L
Cortisol			160-810	mmol/L
Creatine kinase (CK) (serum)			5-130	U/L
Creatine (serum)				
Female			35-88	μmol/L
Male			62-106	μmol/L
Ferritin			11-307	μg/L
Folic (Folate)			>15	nmol/L
Glucose fasting (serum)			3.3-5.8	mmol/L
Hemoglobin A ₁ C			4-6	%
Iron (serum)			6-35	μmol/L
TIBC (total iron binding capacity)			44-76	umol/L
% saturation			20 – 50	%
Lactate dehydrogenase (LDH) (serum)			95-195	U/L
Lipase (serum)			<160	U/L
Magnesium (serum)			0.75-0.95	mmol/L
Osmolality (serum)			280-300	mmol/kg

Oxygen saturation (arterial blood) (SaO ₂)	96-100	%
PaCO ₂ (arterial blood)	35-45	mm Hg
PaO ₂ (arterial blood)	85-105	mm Hg
pH	7.35-7.45	
Phosphorus (inorganic)(serum)	0.8-1.5	mmol/L
Potassium (serum)	3.5-5.1	mmol/L
PSA (Prostate Specific Antigen)	0-4	µg/L
Protein (serum)		
Total	60-80	g/L
Albumin	35-50	g/L
Sodium (serum)	136-144	mmol/L
T3 (free)	3.5-6.5	pmol/L
T4 (free)	8.5-15.2	pmol/L
Thyroid-stimulating hormone (sensitive)	0.4-5.0	mU/L
TIBC (Total Iron Binding Capacity)	45-82	µmol/L
Transaminase – see Aminotransferase		
Triglycerides (serum)	<2.20	mmol/L
Troponin T (TnT)	<0.10	µg/l
Urea nitrogen (BUN) (serum)	2.5-8.0	mmol/L
Uric acid (serum)	180-420	µmol/L
Vitamin B12	133-674	pmol/L
CEREBROSPINAL FLUID		
Cell count	<4	X10 ⁶ /L
Glucose	2-4	mmol/L
Proteins (total)	0.20-0.45	g/L
URINE		
Calcium	<7.3	mmol/day
Chloride	110-250	mmol/day
Creatinine	6.2-17.7	mmol/day
Osmolality	50-1200	mOsm/Kg
Potassium	25-120	mmol/day
Protein	<0.15	g/day
Sodium	25-260	mmol/day