

















































Bloodwork Comparison for: Doe, Jane

Lab Name	Optimal Range	Reference Range	Units	3/6/2018	2/25/2018	Improved
Anion gap	7 - 12	6 - 16	mEq/L	0	0	
Direct bilirubin	0 - 0.2	0 - 0.3	mg/dl	0	0	
Indirect bilirubin	0.1 - 0.7	0.1 - 0.8	mg/dL	0	0	
% Iron Saturation	20 - 35	16 - 60	%	30	30	
TSH (Thyroid stimulating hormone)	1.5 - 2.5	0.45 - 4.5	uIU/ml	1.5	2.5	
Total WBC	5.3 - 7.5	3.4 - 10.8	x10E3/uL	7.5	5.1 ↓	
Red Blood Cells (RBC)	4.2 - 4.6	3.8 - 5.1	x10E6/uL	5 ↑	4.56	
Reticulocyte count	0.05 - 1.5	0.5 - 2.6	%	0	1.5	
Hemoglobin	13.5 - 14.5	11.5 - 15	g/dL	14	11.7 ↓	
Hematocrit	37 - 44	34 - 44	%	38	36.6 ↓	
MCV	82 - 90	79 - 97	fL	90	85.1	
MCH	28 - 32	27 - 33	pg	30	25.7 ↓	
MCHC	32 - 35	31.5 - 35.7	%	30.2 ↓	30.2 ↓	
Platelets	200 - 250	150 - 379	x10E3/uL	175 ↓	205	
RDW	10 - 12	12.3 - 15.4	%	15 ↑	14.7 ↑	
Neutrophils	50 - 60	40 - 70	%	65 ↑	71.8 ↑	
Bands	0 - 5	0 - 10		0	0	
Lymphocytes	30 - 35	20 - 45	%	25 ↓	11.7 ↓	
Monocytes	4 - 5	2 - 8	%	7 ↑	4.9	
Eosinophils	0 - 3	0 - 4	%	5 ↑	7.8 ↑	
Basophils	0 - 1	1 - 3	%	0	0	
ESR (Erythrocyte Sedimentation Rate)	0 - 10	0 - 25	mm/hr	0	0	
Homocysteine	0 - 7.2	3 - 11.6	umol/L	0	0	
Hemoglobin A1C	5.1 - 5.4	4.5 - 5.7		0	0	
Creatinine Kinase (CPK)	50 - 90	27 - 141	units/L	0	0	
Reverse T3	9.2 - 20	9.2 - 24.1	ng/dl	6 ↓	5 ↓	
Insulin	0 - 5	3 - 12	μIU/mL	0	0	
Glucose	85 - 95	65 - 99	mg/dL	130 ↑	86	
Uric acid	3.5 - 5.5	2.5 - 7.1	mg/dL	4.5	40 ↑	
Blood urea nitrogen (BUN)	12 - 17	3 - 27	mg/dL	30 ↑	16	
Creatinine	0.7 - 0.9	0.57 - 1	mg/dL	1.3 ↑	0.78	
BUN/Creatinine Ratio	10 - 16	10 - 24		19 ↑	20.5 ↑	
Sodium	138 - 141	133 - 144	mmol/L	130 ↓	142 ↑	

Potassium	4.3 - 4.7	3.5 - 5.2	mmol/L	1.4 ↓	4.7	
Chloride	101 - 103	96 - 106	mmol/L	107 ↑	106 ↑	
Carbon Dioxide (CO2)	24 - 27	18 - 29	mmol/L	25	27	
Calcium	9.4 - 9.8	8.6 - 10.2	mg/dL	9.5	8.9 ↓	
Phosphorus	3.4 - 3.8	2.5 - 4.5	mg/dL	80 ↑	75 ↑	
Magnesium	2.2 - 2.6	1.5 - 2.5	mg/dL	2.2	15 ↑	
Protein, total	7 - 7.4	6 - 8.5	g/dL	7.5 ↑	6.9 ↓	
Albumin	4.3 - 4.7	3.6 - 4.8	g/dL	4.5	4.1 ↓	
Globulin, total	2.3 - 2.7	1.5 - 4.5	g/dL	2.6	2.4	
Albumin/Globulin Ratio	1.8 - 2	1.1 - 2.5		2	1.7 ↓	
Bilirubin	0.6 - 0.9	0 - 1.2	mg/dL	0.7	0.6	
Alkaline phosphatase	70 - 90	39 - 117	IU/L	85	76	
LDH (Lactate dehydrogenase)	140 - 170	119 - 226	IU/L	130 ↓	125 ↓	
AST (SGOT)	15 - 28	0 - 40	IU/L	22	27	
ALT (SGPT)	15 - 28	0 - 32	IU/L	56 ↑	27	
GGT (Gamma glutamyl transferase)	15 - 28	0 - 60	IU/L	60 ↑	50 ↑	
Transferrin (TIBC)	250 - 350	250 - 420		0	0	
Iron	80 - 100	38 - 169	ug/dL	65 ↓	125 ↑	
Ferritin	40 - 60	30 - 400	ng/mL	50	90 ↑	
Total Cholesterol	160 - 199	100 - 189	mg/dL	205 ↑	173	
Triglycerides	70 - 100	0 - 114	mg/dL	85	86	
HDL-cholesterol	55 - 80	35 - 150	mg/dL	60	48 ↓	
LDL-cholesterol	0 - 120	0 - 99	mg/dL	85	106 ↑	
Total Cholesterol/HDL Ratio	0 - 3	0 - 5	%	2	3.6 ↑	
C-Reactive Protein (CRP)	0 - 1.5	0 - 3		2 ↑	4 ↑	
Total T4 (Thyroxine)	8 - 9	4.5 - 12	ug/dL	10 ↑	7 ↓	
Total T3 (Tri-iodothyronine)	100 - 225	71 - 180	ng/dl	80 ↓	78 ↓	
Free T4 (Thyroxine)	1.3 - 1.8	0.82 - 1.77	ng/dl	1.5	1.46	
Free T3 (Tri-iodothyronine)	3.2 - 4.2	2 - 4.4	pg/mL	3 ↓	2.4 ↓	