
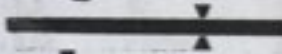


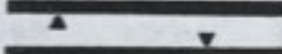





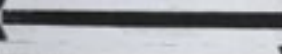
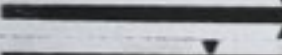
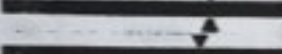
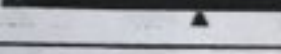



Clinical Laboratory Report

Client: [REDACTED]
 Patient: [REDACTED]
 DOB: [REDACTED]
 Gender: [REDACTED]
 Specimen ID: [REDACTED]

Requesting Provider: [REDACTED]
 Collection Date: [REDACTED]
 Received Date: [REDACTED]
 Date Reported: [REDACTED]

Summary of Abnormal Values

Test Name	Flag	Result	Ref Range	Units		
PLT	LOW	135	163 - 337	x10 ³ /uL		135 x10 ³ /uL
GLUCOSE	HIGH	123	74 - 109	mg/dL		123 mg/dL
BUN/CREAT RATIO	LOW	7.0	10 - 20	RATIO		7.0 RATIO
ALT(SGPT)	HIGH	56	5 - 41	U/L		56 U/L
HDL	LOW	42	>60	mg/dL		42 mg/dL
IRON	HIGH	184	59 - 158	ug/dL		184 ug/dL
% SATURATION	HIGH	53.3	20 - 50	%		53.3 %
AMYLASE	HIGH	128	28 - 100	U/L		128 U/L
%A1c	HIGH	6.1	4 - 6	%		6.1 %
MEAN GLUCOSE	HIGH	128.4	68 - 126	mg/dL		128.4 mg/dL
FSH	LOW	<0.10	1.5 - 12.4	mIU/mL		<0.10 mIU/mL
LH	LOW	<0.10	1.7 - 8.6	mIU/mL		<0.10 mIU/mL
PROGESTERONE	HIGH	0.336	0.05 - 0.149	ng/mL		0.336 ng/mL
FREE TESTO	HIGH	16.66	4.35 - 13.73	ng/dL		16.66 ng/dL
INSULIN	HIGH	26.9	2.6 - 24.9	uIU/mL		26.9 uIU/mL

COMPLETE BLOOD COUNT

A complete blood count (CBC) gives important information about the kinds and numbers of cells, including red blood cells, white blood cells, and platelets. A CBC helps your doctor check for any blood abnormalities that might be associated with symptoms such as weakness, fatigue, or bruising. A CBC also helps your physician diagnose conditions, such as anemia, infection, and many other disorders.

TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
WBC		5.74	4.23 - 9.07	x10 ³ /uL	✓
RBC		5.60	4.63 - 6.06	x10 ⁶ /uL	✓
HGB		17.3	13.7 - 17.5	g/dL	✓
HCT		49.7	40.1 - 51	%	✓
MCV		88.8	79 - 92.2	fL	✓
MCH		30.9	25.7 - 32.2	pg	✓
MCHC		34.8	32.3 - 36.5	g/dL	✓



TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
RDW		13.2	11.6 - 14.4	%	✓
PLT	LOW	135	163 - 337	$\times 10^3/\mu\text{L}$	✗
LYMPH %		28.7	21.8 - 53.1	%	✓
NEUT %		57.2	34 - 67.9	%	✓
MONO %		12.0	5.3 - 12.2	%	✓
EO %		1.6	0.8 - 7	%	✓
BASO %		0.5	0.2 - 1.2	%	✓
LYMPH #		1.65	1.32 - 3.57	$\times 10^3/\mu\text{L}$	✓
NEUT #		3.28	1.78 - 5.38	$\times 10^3/\mu\text{L}$	✓
MONO #		0.69	0.3 - 0.82	$\times 10^3/\mu\text{L}$	✓
EO #		0.09	0.04 - 0.54	$\times 10^3/\mu\text{L}$	✓
BASO #		0.03	0.01 - 0.08	$\times 10^3/\mu\text{L}$	✓

BASIC METABOLIC PANEL

The basic metabolic panel (BMP) is used to check the status of a person's kidneys and their electrolyte and acid/base balance, as well as their blood glucose level all of which are related to a person's metabolism. It can also be used to monitor hospitalized patients and people with certain known conditions, such as hypertension and hypokalemia.

TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
NA		141	136 - 145	mmol/L	✓
K		4.1	3.5 - 5.1	mmol/L	✓
CL		100	98 - 107	mmol/L	✓
CO2		26	22 - 29	mmol/L	✓
AGAP		19.1	12 - 20	mmol/L	✓
GLUCOSE	HIGH	123	74 - 109	mg/dL	✗
BUN		7	6 - 23	mg/dL	✓
CREATININE		1.0	0.7 - 1.2	mg/dL	✓
BUN/CREAT RATIO	LOW	7.0	10 - 20	RATIO	✗
CALCIUM		9.5	8.2 - 10.2	mg/dL	✓
est GFR		84.42	>60	COMMENT	✓
AF-AM est GFR		102.15	>60	COMMENT	✓

GFR IS EXPRESSED IN ml/min/1.73m²

SHOULD NOT BE DONE ON PATIENTS UNDER THE AGE OF 18

IF PATIENT IS AFRICAN-AMERICAN THE FINAL RESULT IS MULTIPLIED BY 1.210



HEPATIC FUNCTION PANEL

A liver (hepatic) function panel is a blood test to check how well the liver is working. This test measures the blood levels of total protein, albumin, bilirubin, and liver enzymes. High or low levels may mean that liver damage or disease is present. The liver serves several important functions in the body, including changing nutrients into energy, breaking down and metabolizing toxic substances and drugs.

TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
ALP		60	40 - 129	U/L	✓
ALT(SGPT)	HIGH	56	5 - 41	U/L	✗
AST(SGOT)		33	5 - 40	U/L	✓
ALBUMIN		4.5	3.5 - 5.2	g/dL	✓
T.BILIRUBIN		0.8	0.3 - 1.2	mg/dL	✓
T.PROTEIN		7.0	6.6 - 8.7	g/dL	✓
D.BILIRUBIN		<0.2	0.0 - 0.3	mg/dL	✓

LIPIDS PANEL

A lipid panel is a blood test that measures lipids-fats and fatty substances used as a source of energy by your body. Lipids include cholesterol, triglycerides, high-density lipoprotein (HDL), and low-density lipoprotein (LDL). Your doctor may order a lipid panel as part of a regular health examination. Your doctor may use the results of this test to prevent, check on, or diagnose a medical condition.

TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
CHOLESTEROL		158	5 - 200	mg/dL	✓
TRIGLYCERIDES		78	< 150	mg/dL	✓
HDL	LOW	42	>60	mg/dL	✗
LDL (CALC)		100	0 - 100	mg/dL	✓
CHOL/HDL RATIO		3.8	0 - 5	RATIO	✓
VLDL (CALC)		16	0 - 50	mg/dL	✓

GENERAL CHEMISTRIES

TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
URIC ACID		5.4	3.4 - 7	mg/dL	✓
PHOSPHORUS		3.1	2.5 - 4.5	mg/dL	✓
MAGNESIUM		2.1	1.6 - 2.4	mg/dL	✓
CRP		<0.106	< 0.5	mg/dL	✓
IRON	HIGH	184	59 - 158	ug/dL	✗
UIBC		161	112 - 347	ug/dL	✓
TIBC		345.0	250 - 450	ug/dL	✓
% SATURATION	HIGH	53.3	20 - 50	%	✗
APO A		115	104 - 202	mg/dL	✓
APO B		88	66 - 133	mg/dL	✓



TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
Lp (a)		<8	<30	mg/dL	✓
GGT		29	10 - 71	U/L	✓
AMYLASE	HIGH	128	28 - 100	U/L	✗
FERRITIN		78	30 - 400	ng/mL	✓
%A1c	HIGH	6.1	4 - 6	%	✗
MEAN GLUCOSE	HIGH	128.4	68 - 126	mg/dL	✗

HORMONES

Imbalanced or insufficient hormone production affects a wide range of body functions, producing symptoms that negatively affect the quality of life and, with some metabolic pathways, may increase risk for hormone-related diseases. A diagnostic hormone panel can be used by your physician to evaluate underlying hormonal imbalances and provides clinical utility by supporting insight into development of personalized treatments.

TEST NAME	FLAG	RESULT	REF RANGES	UNITS	
CORTISOL		11.16		ug/dL	✓
Cortisol Normal Ranges:					
Morning hours	7a-10a	6.02-18.4 ug/dL			
Afternoon hours	4p-8p	2.68-10.5 ug/dL			
DHEA-S		89.0	16.2 - 482	ug/dL	✓
ESTRADIOL		56.2	25.8 - 60.7	pg/mL	✓
FSH	LOW	<0.10	1.5 - 12.4	mIU/mL	✗
hGH		0.253	0.03 - 2.47	ng/mL	✓
LH	LOW	<0.10	1.7 - 8.6	mIU/mL	✗
PROGESTERONE	HIGH	0.336	0.05 - 0.149	ng/mL	✗
PROLACTIN		11.46	4.04 - 15.2	ng/mL	✓
PSA		0.406	0.014 - 4	ng/mL	✓
SHBG		29.7	16.5 - 76.4	nmol/L	✓
TESTOSTERONE		721.30	193 - 836	ng/dL	✓
FREE TESTO	HIGH	16.66	4.35 - 13.73	ng/dL	✗
FT3		3.1	2 - 4.4	pg/mL	✓
FT4		1.00	0.93 - 1.7	ng/dL	✓
VIT-DII		44.11	>30	ng/mL	✓
TSH		1.810	0.27 - 4.2	uIU/mL	✓
B-12		463	232 - 1245	pg/mL	✓
FOLATE		10.50	4.78 - 20	ng/mL	✓
C-PEPTIDE		4.0	1.1 - 4.4	ng/mL	✓
INSULIN	HIGH	26.9	2.6 - 24.9	uIU/mL	✗