

Patient

Latifa Alawad
Female - 68 Years
1016843490

Order

Reservation ID: 3464311
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 05/14/25 16:38

Collected At 05/14/25 16:38

Reported At 05/14/25 22:56

Clinical Chemistry

Glucose - Fasting

89.76 mg/dL

Reference Range :

mg/dL

Normal: 70 - 100

Prediabetes: 101 - 125

Diabetes: ≥ 126

Comment :

Method: Spectrophotometry (SP)

Sample Type: Fluoride Plasma /

Serum

Hemoglobin A1C (Glycated Hb,HbA1C)

5.89 %

Reference Range :

● Normal

● Prediabetes

● Diabetes

< 5.7

5.7 - 6.4

≥ 6.5

Comment :

Method: Turbidimetric Immunoinhibition

Sample Type: EDTA Whole Blood



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Blood Urea Nitrogen (BUN)

18 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.83 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

5.69 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Sodium (Na)

138.73 mmol/L

Reference Range :

136 - 146

Comment :

Method: Ion-selective electrodes (ISE) - crown ether
membrane

Sample Type: Serum

Potassium (K)

4.81 mmol/L

Reference Range :

3.5 - 5.1

Comment :

Method: Ion-selective electrodes (ISE) - Crown ether
membrane

Sample Type: Serum

Ferritin

16.4 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Cholesterol - Total

150 mg/dL

Reference Range :

- Desirable
- Borderline
- High

≤ 200
200 - 240
≥ 240

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

High Density Lipoprotein (HDL)

52.8 mg/dL

Reference Range :

- Risk Indicator
- Standard Risk
- Favorable Prognosis

< 40
40 - 60
> 60

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

Low Density Lipoprotein (LDL)

75 mg/dL

Reference Range :

- Optimal
- Near Optimal
- Borderline
- High
- Requiring treatment

<100
100 - 129
130 - 159
160 - 189
≥ 190



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Triglycerides

111.24 mg/dL

Reference Range :

- Normal
- Borderline
- High
- Very High

< 150
150 - 199
200 - 499
≥ 500

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Alanine Aminotransferase (ALT)

17.04 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

19.33 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Total Protein - Serum

6.72 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

3.88 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.63 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Bilirubin - Direct

0.04 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

94.41 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Thyroid Stimulating Hormone (TSH)

3.62 μU/mL

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Vitamin D (25 OH Vit D Total)

32.85 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

218 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Test Results

Erythrocyte Sedimentation Rate (ESR)

30 mm/h

Reference Range :

≤ 20

Comment :

Method: Westergren method

Sample Type: Whole Blood



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Blood Tests

Complete Blood Count (CBC)

Test Name	Result	Normal Range	Units
WBCs	10.61	4 - 11	10 ³ /uL
Red blood cell (RBC) count	4.55	3.8 - 4.8	x10 ⁶ /uL
Hemoglobin	14.01	12 - 16	g/dL
Hematocrit (HCT)	40.3	36 - 46	%
MCV	88.5	83 - 101	fl
MCH	30.8	27 - 32	pg
MCHC	34.8	31.5 - 34.5	g/dL
RDW-CV	15.7	11.6 - 14	%
Platelets	257.2	150 - 450	10 ³ /uL

Differential count	Result	Normal Range	Units
Neutrophils%	69.04	35 - 75	%
Lymphocytes%	20.84	20 - 45	%
Monocytes%	6.84	2 - 8	%
Eosinophils%	3.05	1 - 6	%
Basophils%	0.23	0 - 1	%
Neutrophils#	7.33	2 - 7	10 ³ /uL
Lymphocytes#	2.21	1 - 3.5	10 ³ /uL
Monocytes#	0.73	0.2 - 1	10 ³ /uL
Eosinophils#	0.32	0.02 - 0.5	10 ³ /uL
Basophils#	0.02	0.01 - 0.1	10 ³ /uL

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood

* Absolute neutrophilia.



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Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Light Yellow	Pale to yellow	--
Aspect	Slightly Cloudy	Clear	--
Chemical Examination:			
Specific Gravity	1.005	1.005 - 1.030	--
PH	7.5 (Neutral)	5.0 - 9.5	--
Leukocyte	+1	Negative	--
Nitrites	Positive	Negative	--
Protein	Negative	Negative	--
Glucose	Negative	Negative	--
Ketones	Negative	Negative	--
Urobilinogen	Normal	Normal	--
Bilirubin	Negative	Negative	--
Blood	Trace	Negative	--
Microscopic Examination:			
Pus Cells	2-3	0-5	H.P.F
RBC'S	3-5	0-5	H.P.F
Epithelial	Moderate	Nil	--
Cast	Nil	Nil	--
Crystals	Nil	Nil	--
Amorphous materials	Nil	--	--
Others	Bacteria - Many, Mucous Threads - Few	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample

