

Patient

Sara Mohamed Almansour
Female - 37 Years
1054699796

Order

Reservation ID: 3213919
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 02/15/25 21:06

Collected At 02/15/25 21:06

Reported At 02/16/25 13:03

Clinical Chemistry

Glucose - Fasting

78.87 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)

5.33 %

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)

17 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.53 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

3.37 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Sodium (Na)

135.59 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

4.92 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

10.9 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Calcium (Ca) - Total

9.16 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

3.57 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Magnesium (Mg)

2.4 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Zinc

60.7 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
 (SP)

Sample Type: Serum

Cholesterol - Total

192.35 mg/dL

Reference Range :

● Desirable

≤ 200

● Borderline

200 - 239

● High

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

High Density Lipoprotein (HDL)

50.96 mg/dL

Reference Range :

● Risk Indicator

< 40

● Standard Risk

40 - 60

● Favorable Prognosis

> 60

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Low Density Lipoprotein (LDL)

119 mg/dL

Reference Range :

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

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

Triglycerides

113.76 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)

9.49 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)
 Sample Type: Serum



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Aspartate Amino Transferase (AST)

12.85 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Total Protein - Serum

6.6 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

4.02 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Bilirubin - Total

0.13 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Direct

0.02 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Alkaline Phosphatase (ALP)

58.52 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Gamma-Glutamyl-Transpeptidase (GGT)

9.17 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Thyroid Stimulating Hormone (TSH)

0.98 μ U/mL

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

13.5 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Vitamin B12 (Cyanocobalamine)

330 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Test Results

Erythrocyte Sedimentation Rate (ESR)

20 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	7.77	4 - 11	10 ³ /uL
Red blood cell (RBC) count	4.33	3.8 - 4.8	x10 ⁶ /uL
Hemoglobin	13.78	12 - 16	g/dL
Hematocrit (HCT)	39.4	36 - 46	%
MCV	91.1	83 - 101	fl
MCH	31.8	27 - 32	pg
MCHC	35.0	31.5 - 34.5	g/dL
RDW-CV	13.2	11.6 - 14	%
Platelets	309.9	150 - 450	10 ³ /uL

Differential count	Result	Normal Range	Units
Neutrophils%	62.73	35 - 75	%
Lymphocytes%	29.40	20 - 45	%
Monocytes%	5.66	2 - 8	%
Eosinophils%	1.93	1 - 6	%
Basophils%	0.29	0 - 1	%
Neutrophils#	4.87	2 - 7	10 ³ /uL
Lymphocytes#	2.28	1 - 3.5	10 ³ /uL
Monocytes#	0.44	0.2 - 1	10 ³ /uL
Eosinophils#	0.15	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

