

Patient

Mounera Mohamed Alothman
Female - 68 Years
1054699739

Order

Reservation ID: 3213904
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 02/15/25 21:02

Collected At 02/15/25 21:02

Reported At 02/16/25 13:27

Clinical Chemistry

Glucose - Fasting

149.99 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)

7.91 %

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)

23 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.57 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

3.91 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Sodium (Na)

139.09 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

4.63 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

173.2 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Calcium (Ca) - Total

9.76 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

2.52 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

77.7 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum



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Cholesterol - Total

126.05 mg/dL

Reference Range :

- Desirable ≤ 200
- Borderline 200 - 239
- High ≥ 240

Comment :

Method: Spectrophotometry (SP)
 Sample Type: Serum

High Density Lipoprotein (HDL)

43.09 mg/dL

Reference Range :

- Risk Indicator < 40
- Standard Risk 40 - 60
- Favorable Prognosis > 60

Comment :

Method: Spectrophotometry (SP)
 Sample Type: Serum

Low Density Lipoprotein (LDL)

43 mg/dL

Reference Range :

- Optimal <100
- Near Optimal 100 - 129
- Borderline 130 - 159
- High 160 - 189
- Requiring treatment ≥ 190



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Triglycerides

198.73 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)

17.69 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

18.55 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Total Protein - Serum

6.74 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

4.4 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.19 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Bilirubin - Direct

0.05 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

83.19 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

20.36 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Thyroid Stimulating Hormone (TSH)

1.5 $\mu\text{U/mL}$

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

61.6 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30

30 - 100

> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

571 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Test Results

Erythrocyte Sedimentation Rate (ESR)

25 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	7.84	4 - 11	10 ³ /uL
Red blood cell (RBC) count	4.84	3.8 - 4.8	x10 ⁶ /uL
Hemoglobin	14.34	12 - 16	g/dL
Hematocrit (HCT)	41.9	36 - 46	%
MCV	86.5	83 - 101	fl
MCH	29.6	27 - 32	pg
MCHC	34.2	31.5 - 34.5	g/dL
RDW-CV	13.8	11.6 - 14	%
Platelets	294.7	150 - 450	10 ³ /uL

Differential count	Result	Normal Range	Units
Neutrophils%	57.84	35 - 75	%
Lymphocytes%	33.33	20 - 45	%
Monocytes%	5.15	2 - 8	%
Eosinophils%	3.56	1 - 6	%
Basophils%	0.13	0 - 1	%
Neutrophils#	4.53	2 - 7	10 ³ /uL
Lymphocytes#	2.61	1 - 3.5	10 ³ /uL
Monocytes#	0.40	0.2 - 1	10 ³ /uL
Eosinophils#	0.28	0.02 - 0.5	10 ³ /uL
Basophils#	0.01	0.01 - 0.1	10 ³ /uL

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood

