

Patient

Moudi Thowayne Abdallah Al
Thenyan
Female - 84 Years
1007978420

Order

Reservation ID: 3524909
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 06/02/25 19:33

Collected At 06/02/25 19:33

Reported At 06/03/25 13:11

Clinical Chemistry

Glucose - Fasting

101.86 mg/dL

Reference Range :

mg/dL

Normal: 70 - 100

Prediabetes: 101 - 125

Diabetes: ≥ 126

Comment :

Method: Spectrophotometry (SP)

Sample Type: Fluoride Plasma /
Serum

Rheumatoid Factor (RF)

4.48 IU/mL

N

Reference Range :

● Negative

≤ 14

● Positive

> 14

Comment :

Method: Latex Particle Immunoturbidimetric

Sample Type: Serum



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Hemoglobin A1C (Glycated Hb,HbA1C)

5.81 %

Reference Range :

- Normal
- Prediabetes
- Diabetes

< 5.7
5.7 - 6.4
≥ 6.5

Comment :

Method: Turbidimetric Immunoinhibition
Sample Type: EDTA Whole Blood

Blood Urea Nitrogen (BUN)

20 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

Creatinine - Serum

0.66 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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Uric Acid - Serum

4.06 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Sodium (Na)

129.78 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

5 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum



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Ferritin

23 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Calcium (Ca) - Total

8.83 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

4.12 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Zinc

69.3 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum

C-Reactive Protein (CRP), Quantitative

0.36 mg/L

Reference Range :

< 5

Comment :

Method: Latex Particle Immunoturbidimetric
Sample Type: Serum

Cholesterol - Total

97.57 mg/dL

Reference Range :

- Desirable
- Borderline
- High

≤ 200

200 - 240

≥ 240

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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High Density Lipoprotein (HDL)

46.61 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)

37 mg/dL

Reference Range :

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

Triglycerides

70.18 mg/dL

Reference Range :

● Normal	< 150
● Borderline	150 - 199
● High	200 - 499
● Very High	≥ 500

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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Alanine Aminotransferase (ALT)

13.87 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

23.31 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Total Protein - Serum

6.3 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Albumin - Serum

3.81 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Bilirubin - Total

0.3 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Direct

0.06 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm



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Alkaline Phosphatase (ALP)

75.22 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

12.93 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Thyroid Stimulating Hormone (TSH)

3.8 μ U/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)

27.32 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

193 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Clinical Chemistry

Iron (Fe)

33.22 µg/dL

Reference Range :

60 - 180

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm



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Clinical Chemistry

Magnesium (Mg)

2.22 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

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	5.17	4 - 11	$10^3/\mu\text{L}$
Red blood cell (RBC) count	4.00	3.8 - 4.8	$\times 10^6/\mu\text{L}$
Hemoglobin	13.08	12 - 16	g/dL
Hematocrit (HCT)	37.7	36 - 46	%
MCV	94.3	83 - 101	fL
MCH	32.7	27 - 32	pg
MCHC	34.7	31.5 - 34.5	g/dL
RDW-CV	14.4	11.6 - 14	%
Platelets	312.1	150 - 450	$10^3/\mu\text{L}$

Differential count	Result	Normal Range	Units
Neutrophils%	53.37	35 - 75	%
Lymphocytes%	29.57	20 - 45	%
Monocytes%	10.07	2 - 8	%
Eosinophils%	6.83	1 - 6	%
Basophils%	0.15	0 - 1	%
Neutrophils#	2.76	2 - 7	$10^3/\mu\text{L}$
Lymphocytes#	1.53	1 - 3.5	$10^3/\mu\text{L}$
Monocytes#	0.52	0.2 - 1	$10^3/\mu\text{L}$
Eosinophils#	0.35	0.02 - 0.5	$10^3/\mu\text{L}$
Basophils#	0.01	0.01 - 0.1	$10^3/\mu\text{L}$

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood
