

Patient

Mashael Mohamed Saad AlSoud
Female - 33 Years
1076054475

Order

Reservation ID: 3281940
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 03/11/25 14:13

Collected At 03/11/25 14:13

Reported At 03/12/25 00:56

Clinical Chemistry

Uric Acid - Serum

4.33 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Chloride (Cl)

102.69 mmol/L

Reference Range :

101 - 109

Comment :

Method: Ion-selective electrodes (ISE) - oriented PVC
membrane

Sample Type: Serum

Sodium (Na)

134.52 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum



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Potassium (K)

5.08 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

26.8 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)
Sample Type: serum

Calcium (Ca) - Total

9.69 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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Phosphorus (P)

3.17 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Magnesium (Mg)

1.92 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

99.9 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum



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Testosterone - Total

0.32 ng/mL

Reference Range :

ng/mL
<0.10-0.75

Comment :

Method: Chemiluminescent immunoassay (CLIA)

SampleType: Serum

Luteinizing Hormone (LH)

7.13 mIU/mL

Reference Range :

mIU/mL

Follicular phase : 2.12-10.89
Mid-cycle : 19.18-103.03
Luteal phase : 1.2-12.86
Postmenopausal : 10.87-58.64

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: Serum



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Follicle Stimulating Hormone (FSH)

3.7 mIU/mL

Reference Range :

mIU/mL

Follicular phase : 3.85 - 8.78
Ovulation phase : 4.54 - 22.51
Luteal phase : 1.79 - 5.12
Postmenopausal : 16.74-113.59

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: Serum

Alanine Aminotransferase (ALT)

26.42 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

36.08 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Alkaline Phosphatase (ALP)

39.47 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Prolactin

10.17 ng/mL

Reference Range :

ng/mL

Premenopausal: 3.34 – 26.72
Postmenopausal: 2.74 – 19.64

Comment :

Method: Chemiluminescent immunoassay (CLIA)

SampleType: Serum

Thyroid Stimulating Hormone (TSH)

2.57 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)

21.4 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

236 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B9 (Folic acid)

12.91 ng/mL

Reference Range :

3.1 - 19.9

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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Special Test

Vitamin B6 (Pyridoxine)

48 ug/L

Reference Range :

12.6 - 45.2

Vitamin B1 (Thiamine)

38.5 µg/L

Reference Range :

33.1 - 60.7

Vitamin B2 (Riboflavin)

217.4 µg/L

Reference Range :

137 - 370

Vitamin C (Ascorbic Acid)

3.64 mg/L

Reference Range :

4 - 15



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Vitamin A (Retinol)

0.43 mg/L

Reference Range :

mg/L

Normal: 0.3 - 0.7

Toxic Range: from 1.4

Deficiency:

- Beginning: 0.1 - 0.19

- Serious: <0.1

Vitamin E (Alpha Tocopherol)

15.4 mg/L

Reference Range :

mg/L

Reference Range: 5 -18

Deficiency Range: < 5



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Blood Tests

Complete Blood Count (CBC)

Test Name	Result	Normal Range	Units
WBCs	4.04	4 - 11	10 ³ /uL
Red blood cell (RBC) count	4.08	3.8 - 4.8	x10 ⁶ /uL
Hemoglobin	12.77	12 - 16	g/dL
Hematocrit (HCT)	36.2	36 - 46	%
MCV	88.7	83 - 101	fl
MCH	31.3	27 - 32	pg
MCHC	35.3	31.5 - 34.5	g/dL
RDW-CV	13.0	11.6 - 14	%
Platelets	289.0	150 - 450	10 ³ /uL

Differential count	Result	Normal Range	Units
Neutrophils%	53.65	35 - 75	%
Lymphocytes%	38.89	20 - 45	%
Monocytes%	6.44	2 - 8	%
Eosinophils%	0.77	1 - 6	%
Basophils%	0.25	0 - 1	%
Neutrophils#	2.17	2 - 7	10 ³ /uL
Lymphocytes#	1.57	1 - 3.5	10 ³ /uL
Monocytes#	0.26	0.2 - 1	10 ³ /uL
Eosinophils#	0.03	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

