



Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 08/13/25 16:40

Collected At 08/13/25 16:40

Reported At 08/14/25 15:48

Clinical Chemistry

Glucose - Fasting

146.55 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)

7.3 %

Reference Range :

● Normal

● Prediabetes

● Diabetes

< 5.7

5.7 - 6.4

≥ 6.5

Comment :

Method: Turbidimetric Immunoinhibition

Sample Type: EDTA Whole Blood





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Blood Urea Nitrogen (BUN)

16 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.65 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

4.15 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Sodium (Na)

138.61 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

4.59 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

163.8 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



H. W. Al-Daw





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Calcium (Ca) - Total

9.7 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

3.39 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

120.3 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Cholesterol - Total

137.06 mg/dL

Reference Range :

● Desirable

● Borderline

● High

≤ 200

200 - 240

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

High Density Lipoprotein (HDL)

40.96 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)

65 mg/dL

Reference Range :

● Optimal

● Near Optimal

● Borderline

● High

● Requiring treatment

<100

100 - 129

130 - 159

160 - 189

≥ 190





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Triglycerides

154.18 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)

19.31 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

26.62 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Total Protein - Serum

7.28 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

4.15 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.21 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Bilirubin - Direct

0.04 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

52.2 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

14.95 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Thyroid Stimulating Hormone (TSH)

1.09 $\mu\text{U/mL}$

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

49.47 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30

30 - 100

> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

451 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 08/13/25 16:40

Collected At 08/13/25 16:40

Reported At 08/14/25 12:18

Clinical Chemistry

Magnesium (Mg)

2.19 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 08/13/25 16:40

Collected At 08/13/25 16:40

Reported At 08/14/25 09:21

Test Results

Erythrocyte Sedimentation Rate (ESR)

35 mm/h

Reference Range :

≤ 20

Comment :

Method: Westergren method

Sample Type: Whole Blood



H. W. Al-Dan





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 08/13/25 16:40

Collected At 08/13/25 16:40

Reported At 08/14/25 09:47

Blood Tests

Complete Blood Count (CBC)

Test Name	Result	Normal Range	Units
WBCs	7.37	4 - 11	$10^3/\mu\text{L}$
Red blood cell (RBC) count	5.15	3.8 - 4.8	$\times 10^6/\mu\text{L}$
Hemoglobin	15.07	12 - 16	g/dL
Hematocrit (HCT)	44.0	36 - 46	%
MCV	85.4	83 - 101	fL
MCH	29.3	27 - 32	pg
MCHC	34.3	31.5 - 34.5	g/dL
RDW-CV	13.3	11.6 - 14	%
Platelets	273.3	150 - 450	$10^3/\mu\text{L}$

Differential count	Result	Normal Range	Units
Neutrophils%	45.13	35 - 75	%
Lymphocytes%	45.62	20 - 45	%
Monocytes%	4.99	2 - 8	%
Eosinophils%	3.75	1 - 6	%
Basophils%	0.51	0 - 1	%
Neutrophils#	3.33	2 - 7	$10^3/\mu\text{L}$
Lymphocytes#	3.36	1 - 3.5	$10^3/\mu\text{L}$
Monocytes#	0.37	0.2 - 1	$10^3/\mu\text{L}$
Eosinophils#	0.28	0.02 - 0.5	$10^3/\mu\text{L}$
Basophils#	0.04	0.01 - 0.1	$10^3/\mu\text{L}$

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood



مختبرات الخلية المتقدمة
Advanced Cell Laboratories

+966 920013146
www.acl.com.sa
info@acl.com.sa



Approved By:

H. W. Al-Sayid

Consultant clinical pathology





Patient

Mounera Mohamad Al Osman
Female - 68 Years
1054699739

Order

Reservation ID: 3753253
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 08/13/25 16:40

Collected At 08/13/25 16:40

Reported At 08/14/25 00:40

Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Dark Yellow	Pale to yellow	--
Aspect	Turbid	Clear	--
Chemical Examination:			
Specific Gravity	1.030	1.005 - 1.030	--
PH	5 (Acidic)	5.0 - 9.5	--
Leukocyte	Trace	Negative	--
Nitrites	Negative	Negative	--
Protein	Trace	Negative	--
Glucose	Negative	Negative	--
Ketones	Negative	Negative	--
Urobilinogen	Normal	Normal	--
Bilirubin	Negative	Negative	--
Blood	+2	Negative	--
Microscopic Examination:			
Pus Cells	2-3	0-5	H.P.F
RBC'S	11-15	0-5	H.P.F
Epithelial	Moderate	Nil	--
Cast	Nil	Nil	--
Crystals	Many	Nil	--
Crystal Types	Ca.Oxalates	--	--
Amorphous materials	A.Urates - Many	--	--
Others	Bacteria - Few, Mucous Threads - Many	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample



مختبرات الخلية المتقدمة
Advanced Cell Laboratories

+966 920013146
www.acl.com.sa
info@acl.com.sa



Approved By:

H. W. Al-Dawood

Consultant clinical pathology

