



**Biopath**  
Clinical Labs  
Islamabad

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Receiving Date: 15/10/2025  
Printing Date: 15/10/2025

## Chemical Parameters

Test Name	Result	Unit	Reference Range
Serum ALT (SGPT)	20	u/L	Upto 43

## **Renal Function Tests**

Serum Urea	38	mg/dL	12 - 45
Serum Creatinine	1.00	mg/dL	Upto 1.20
Serum Uric Acid	3.4	mg/dL	Males 2 - 7 Females 2 - 6

Lab No. : **15747**  
Name: **AZMAT KAREEM**  
Age: 62 Years Gender: Male  
Referred By: DR. MUHAMMAD SHAFIQUE ARSHAD  
Panel: # A251288  
Bio Path (Central lab)

**Convers Factor**  
 ▼ Bilirubin mg/dL x17.1=μmol/L  
 C3 complement mg/mL x10.01=g/L  
 Chloride mMol/L x1.01=mMol/L  
 ▼ Copper μg/dL x0.107=μmol/L  
 Cortisol pg/mL x0.22=pmol/L  
 Creatinine mg/dL x27.85=μmol/L  
 Creatinine clearance mL/min x0.0167=mL/sec

TIBC mg/dL x0.179=μmol/L  
Lead μg/dL x0.0483=μmol/L  
LDL-C mg/dL x0.0259=mmol/L  
Magnesium mg/dL x0.411=mmol/L

Vitamin D3 (25H)ng/mL x2.496=nmol/L



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Dr. Moniba Zafar  
MBBS, FCPS (Histo)

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Dr. Noureen Umer Barki  
MBBS, Director

Dr. Tasneem Bhatti  
MBBS, MCPS (Path)



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GLYCOHEMOGLOBIN (HbA1c) 8.19 %

See Below (as per DCCT/NGSP protocol)

**\* Clinical Interpretation.**

Normal Range: 4.8 - 5.9 %  
For diabetics with good control: Upto 7 %  
For diabetics with fair control: 7 - 8 %  
For diabetics with poor control: More than

**Note:-** Tests performed on fully automatic COBAS c 111 of Roche

Conversi Facto	
Bicarbonato meq/L	x1-mmol/L
Bilirrubin mg/dL	x17.1-μmol/L
C3 complement mg/mL	x0.01=g/L
C4 complement mg/mL	x0.01=g/L
Chloride mEq/L	x10-mmol/L
Cortisol ug/dL	x157-pmol/L
Corticosteroid pg/ml	x0.22=pmol/L
Creatinine mg/dL	x27.59-μmol/L
Creatinine clearance mL/min	x0.0167=ml/s

▼  
 Iron  $\mu\text{g/dL}$  x0.179= $\mu\text{mol/L}$   
 TIBC  $\mu\text{g/dL}$  x0.179= $\mu\text{mol/L}$   
 Lead  $\mu\text{g/dL}$  x0.0483= $\mu\text{mol/L}$   
 LDL-C  $\text{mg/dL}$  x0.0259= $\text{mmol/L}$   
 Magnesium  $\text{mg/dL}$  x0.411= $\text{mmol/L}$

Vitamin D3 (25-Hydroxyvitamin D3) x 2.496 = nmol/L



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Dr. Moniba Zafer  
MBBS, FCPS (Histo)

Dr. Noureen Umer Barki  
MRPS, Director

Dr. Tasneem Bhatti  
MBBS, MCPS (Path)



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## Urine Analysis

<u>Test Name</u>	<u>Result</u>	<u>Reference Range</u>
<b>Physico Chemical Analysis</b>		
Colour	Yellow	Yellow
Turbidity	Nil	Nil
Sediment	Nil	Nil
pH	5.5	4.5 - 7.5
Sp. Gravity	1.020	1.005 - 1.030 (After 12 hrs. fluid restriction > 1.025)
Glucose	(++)	Nil
Protein	Faint Trace	Nil
Ketones	Nil	Nil
Bilirubin	Nil	Nil
Urobilinogen	Normal	Normal
<b>Microscopic Analysis</b>		
Pus Cells	1 - 2	M: 0 - 3, F: 0 - 5/HPF
Red Blood Cells	Nil	0 - 2/HPF
Epithelial Cells	0 - 1	M: 0 - 3, F: 0 - 10/HPF
Crystals	Nil	Nil/HPF
Casts	Nil	Nil/LPF

Conversi  
Facto  
bicarbonate mg/dL X1.0=mmol/L  
bicarbonate mg/L X1.0=mmol/L  
CO2 complement mg/mL X0.01=µmol/L  
Creatinine mg/dL X1.0=mmol/L  
Creatinine clearance mL/min X0.0167=mL/sec

Estriol ng/mL X3.33=pmol/L  
Ferritin ng/mL X1.0=µg/L  
alpha-1-fetoprotein ng/mL X1.0=µg/L  
Glucagon ng/dl X0.0565=nmol/L  
LDL-C mg/dL X0.259=mmol/L  
Hemoglobin g/dl X1.0=gl  
HDL-C mg/dL X0.0259=mmol/L  
Homocysteine mg/L X7.397=µmol/L  
HbG mIU/mL X1.0=U/L  
Magnesium mg/dL X0.411=mmol/L

Plates TUE X1.0=10^3/mm^3  
RBC X1.0=10^6/mm^3  
Potassium mg/dL X1.0=mmol/L  
Progesterone ng/mL X0.19=nmol/L  
Protein mg/dL X0.0259=mmol/L  
Prostate-specific antigen ng/mL X1.0=µg/L  
Lead µg/dL X0.0485=mmol/L  
Iron µg/dL X0.1719=mmol/L  
TIBC µg/dL X0.1719=mmol/L  
Vitamin D3 (25OH)ng/mL X2.296=nmol/L

Sodium mg/dL X1.0=mmol/L  
T3 ng/dL X0.0154=nmol/L  
T4 ng/dL X0.0259=mmol/L  
Tropomin-H ng/mL X1.0=ng/L  
Uric acid mg/dL X69.48=mmol/L  
Vit B12 pg/mL X0.738=pmol/L  
Vitamin D3 (25OH)ng/mL X2.296=nmol/L

Retinol X1.0=µg/L  
TSH ng/mL X1.0=0.054=nmol/L  
TSH-X1.0=0.054=nmol/L  
Testosterone ng/dL X0.0364=nmol/L  
Tropomin-I ng/mL X1.0=ng/L  
Ure amin-H ng/mL X1.0=ng/L  
Vit D3 (25OH)ng/mL X2.296=nmol/L  
Vitamin D3 (25OH)ng/mL X2.296=nmol/L

Report is not valid for court of law.