



**CHUGHTAI LAB**  
ONE NATION - ONE LAB



Patient Detail :

**Shumaila Tahir**

Age/Sex :

**50 (Y) / F**

Note :

Registration Location:

**Lahore: Johar Town 24G-1 Market**

Registration Date:

**03-Jun-2023 21:20**

Reference:

**Blue Card - Diabetes Care Pro**

Consultant:

.

Patient Number:

**44201-23-12047567**

Case Number:

**44263-03-06**



## Department of Virology

Reporting Time: 04-Jun-2023 02:52

### Serum HBsAg

**Non-Reactive**

Cutoff  
Value

**1.00**

Patient  
Value

**0.36**

Non Reactive <1.0 | Reactive ≥ 1.0

#### Interpretation:

1)It can be detected in high levels in serum during acute or chronic hepatitis B virus (HBV) infection.

2)A reactive HBsAg test indicates that the person is infectious.

3)A non-reactive HBsAg test indicates that the person is not infectious.

4)In patients who subsequently recover, HBsAg usually becomes undetectable after four to six months.

5)Persistence of HBsAg for more than six months implies chronic infection.

6)HBsAg is the antigen used to make hepatitis B vaccine. So, it can also be reactive for a few days after Hepatitis B vaccination.

**Methodology:** HBsAg test performed on fully automated Chemiluminescence Immunoassay Analyzer (Abbott- Alinity i) using FDA Authorized reagent Kits.

**References:** Centers for Disease Control

### Serum Anti-HCV

**Non-Reactive**

Cutoff  
Value

**1.00**

Patient  
Value

**0.09**

Non Reactive < 1.0 | Reactive ≥ 1.0

#### Interpretation:

1)Anti-HCV is a screening test for hepatitis C which detects antibodies to Hepatitis C virus Infection.

2)A reactive Anti-HCV test indicates that the patient has chronic HCV infection.

3)A reactive Anti-HCV test should be followed by HCV RNA testing by PCR.

4)A non-reactive Anti-HCV test indicates that the patient does not have chronic HCV infection and does not warrant further evaluation.

5)False-negative Anti-HCV test (non-reactive) can be seen in patients with severely immunocompromising conditions, on hemodialysis, or with suspected acute hepatitis C infection.

**Methodology:** Anti-HCV test performed on fully automated Chemiluminescence Immunoassay Analyzer (Abbott- Alinity i) using FDA Authorized reagent Kits.

**References:** Centers for Disease Control

Dr. Hajra Farooq  
Fellow Virologist

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## Department of Hematology

Reporting Time: 04-Jun-2023 03:08

### Blood C/E (Complete, CBC)

Test	Reference Value	Unit	44263-03-06 03-Jun-2023 21:20
Hb	11.5 - 16	g/dl	13.6
Total RBC	4 - 6	x10 <sup>12</sup> /l	4.5
HCT	36 - 46	%	43
MCV	75 - 95	fl	94
MCH	26 - 32	pg	30
MCHC	30 - 35	g/dl	32
RDW CV %	11.5 - 14.5	%	<b>14.7</b>
Platelet Count	150 - 400	x10 <sup>9</sup> /l	181
MPV fl	7 - 11	fl	<b>13.7</b>
WBC Count (TLC)	4 - 11	x10 <sup>9</sup> /l	6.1
Neutrophils	40.0 - 75.0	%	52.9
Lymphocytes	20.0 - 50.0	%	33.5
Monocytes	2.0 - 10.0	%	8.0
Eosinophils	1.0 - 6.0	%	4.7
Basophils	Less Than 1.0	%	0.9
Abs. Neutrophils	2.00 - 7.00	x10 <sup>9</sup> /l	3.21
Abs. Lymphocytes	1.00 - 3.00	x10 <sup>9</sup> /l	2.02
Abs. Monocytes	0.20 - 1.00	x10 <sup>9</sup> /l	0.49
Abs. Eosinophils	0.02 - 0.50	x10 <sup>9</sup> /l	0.28
Abs. Basophils	0.02 - 0.10	x10 <sup>9</sup> /l	0.08

Electronically verified report. No signature required. Lab reports should be interpreted by a physician in correlation with clinical and radiologic findings.

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ACCREDITED  
COLLEGE of AMERICAN PATHOLOGISTS

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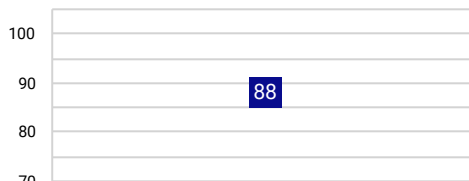


## Department of Chemical Pathology

Reporting Time: 04-Jun-2023 01:41

### Plasma Glucose (Random)

A blood sample can be taken at any time of the day and do not require fasting. High blood glucose level can be found in people with diabetes, critical medical conditions, as well as pregnant women with gestational diabetes. Low blood glucose level commonly affects people with diabetes, rarely it can also occur as a result of other underlying conditions.



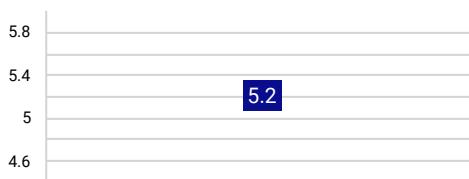
(44263-03-06)  
03/06/2023

**88** mg/dL  
**Normal**

Low (<70) Normal (70 - 200) High (>200)

**Note:** Change in reference range is effective from 15 June 2022

### Glycosylated Hemoglobin (HbA1C)



(44263-03-06)  
03/06/2023

**5.2** %  
**Normal**

Normal (<5.7 %) Pre-Diabetes (=5.7 - 6.4 %) Diabetes (>6.4 %)

**Interpretation:** According to guidelines of the American Diabetes Association (ADA) patients already diagnosed with Diabetes Mellitus should monitor HbA1c level as an indicator of glycemic control over the previous 2-3 months time. The optimum HbA1c level is based on the health status of the individual. In conditions associated with an altered relationship between A1C & glycemia, such as hemoglobinopathies including sickle cell disease, pregnancy (second, third trimesters & the postpartum period), glucose-6-phosphate dehydrogenase deficiency, HIV, hemodialysis, recent blood loss or transfusion or erythropoietin therapy, only plasma blood glucose criteria should be used to diagnose diabetes.

## Renal Function Tests

### Serum Urea

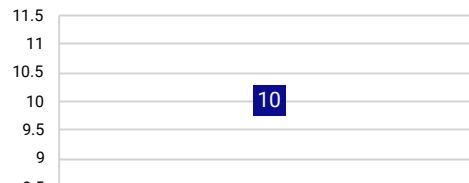


(44263-03-06)  
03/06/2023

**22** mg/dL  
**Normal**

Low (<10) Normal (10 - 50) High (>50)

### Serum BUN



(44263-03-06)  
03/06/2023

**10** mg/dL  
**Normal**

Low (<8) Normal (8 - 22) High (>22)

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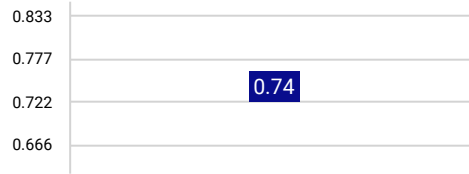
44201-23-12047567

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## Serum Creatinine



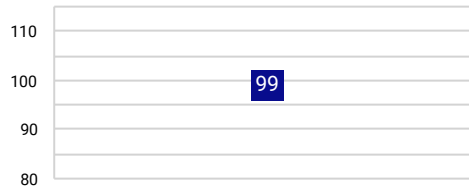
0.74 mg/dL  
Normal

(44263-03-06)  
03/06/2023

Low (<0.55) Normal (0.55 - 1.02) High (>1.02)

**Note:** Change in reference values is effective from 7 June 2022.

## eGFR



99 ml/min/1.73 m2  
Normal

(44263-03-06)  
03/06/2023

Low (<60) Normal (>60)

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## Department Of Microbiology Urine Examination

Reporting Time: 04-Jun-2023 07:25

### Physical Examination

Colour: Yellow

Turbidity/Deposit: Nil

### Chemical Examination

Parameter Name	Result	Reference Value	Parameter Name	Result	Reference Value
SP Gravity	1.020	1.005-1.030	Sugar	Nil	Nil
pH	5.5	5.0-8.0	Ketones	Nil	Nil
Leukocyte Estrases	Nil	Nil	Urobilinogen	Normal	Normal
Nitrite	Negative	Negative	Bilirubin	Nil	Nil
Proteins	Nil	Nil	Heamoglobin	Nil	Nil

### Microscopic Examination

Parameter Name	Result	Reference Value	Unit	Parameter Name	Result	Reference Value	Unit
Pus Cells	0-5	0-5	/HPF	Organisms	Nil	Nil	/HPF
Red Blood Cell	0-2	0-5	/HPF	Yeast Cells	Nil	Nil	/HPF
Epithelial Cells	0-2	0-5	/HPF	Dead Sperms	Nil	Nil	/HPF
Amorphous	Nil	Nil	/HPF	Misc	Nil	Nil	/HPF
Casts:	Nil	Nil	/LPF	Crystals:	Nil	Nil	/HPF

Note:

This test was performed on automated Urinalysis system.

Electronically verified report. No signature required. Lab reports should be interpreted by a physician in correlation with clinical and radiologic findings.

Dr. Qamar Sultana  
Consultant Microbiologist

Dr. Irim Iftikhar  
Consultant Microbiologist

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## Department of Chemical Pathology

Reporting Time: 04-Jun-2023 02:35

### Liver Function Tests

Test	Reference Value	Unit	44263-03-06 03-Jun-2023 21:20
Serum Total Bilirubin	0.10 - 1.20	mg/dL	0.9
Serum Conjugated Bilirubin	UPTO 0.50	mg/dL	0.3
Serum Unconjugated Bilirubin	0.10 - 1.00	mg/dL	0.7
Serum ALT (SGPT)	UPTO 34.00	U/L	26
Serum AST (SGOT)	UPTO 31.00	U/L	27
Serum Alkaline Phosphatase	46.00 - 122.00	U/L	99
Serum Gamma GT	UPTO 33.00	U/L	20
Serum Total Protein	6.00 - 8.50	g/dL	7.7
Serum Albumin	3.50 - 5.20	g/dL	3.9
Serum Globulins	1.80 - 3.50	g/dL	<b>3.8</b>
A/G Ratio	1.00 - 2.20		1.0

**Note:** The changes in reference values are effective from 21 October 2019.

Electronically verified report. No signature required. Lab reports should be interpreted by a physician in correlation with clinical and radiologic findings.

**Dr. Hijab Batool**  
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## Department of Chemical Pathology

Reporting Time: 04-Jun-2023 02:35

### Thyroid Profile - 1

Test	Reference Value	Unit	44263-03-06 03-Jun-2023 21:20
<b>Serum Total T4</b>		ug/dL	7.01
<b>Reference Values</b>			
Cord Blood:	7.4 - 13 ug/dL		
1 - 3 days:	12 - 23 ug/dL		
1 - 2 weeks:	9.9 - 17 ug/dL		
1 - 4 months:	7.2 - 14 ug/dL		
4 - 12 months:	7.8 - 16 ug/dL		
Children	5.6 - 15 ug/dL		
Adults:	4.6 - 11 ug/dL		
<b>Serum Total T3</b>		ng/dL	104.31
<b>Reference Values</b>			
Cord Blood:	5 - 141 ng/dL		
1 - 30 days:	100 - 740 ng/dL		
1 - 11 months:	105 - 245 ng/dL		
Children & adult	70 - 204 ng/dL		
<b>Serum TSH</b>		uIU/mL	3.47
<b>Reference Values</b>			
Premature:	0.7 - 27 uIU/mL		
Cord Blood:	2.3 - 13.2 uIU/mL		
1 - 4 days:	1.0 - 39 uIU/mL		
2 - 20 weeks:	1.7 - 9.1 uIU/mL		
21 weeks - 20 years:	0.7 - 6.4 uIU/mL		
21 - 54 years:	0.4 - 4.5 uIU/mL		
55 - 87 years:	0.5 - 8.9 uIU/mL		

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