



LABORATORY REPORT

MR. NO : 010-038-232 NAME : AMMAR RIZWI S/O HASSAN ABBAS RIZWI
REF BY : ADDRESS : VILLA 370 PRCNT 2 BTK
SEX : M
AGE : 35Y 03Mo 28D
CONTACT : 03442805825

BIOCHEMISTRY

Investigation	Values	Reference Ranges	* Last Available Results
25-Hydroxy Vitamin-D			
Sample: 20-Apr-2025			
25 OH Vitamin D Total	12.72 ng/ml	Vitamin D Defficiency : <20 Vitamin D Insufficiency : 21-29 Vitamin D Sufficiency : 30- 150 Vitamin D Intoxification:>150	
Remarks	Vitamin D helps regulate the amount of calcium and phosphate in the body. A lack of vitamin D can lead to bone deformities such as rickets in children, and bone pain caused by a condition called osteomalacia in adults.		
Methadology	The cobas e 411 analyzer is a fully automated analyzer that uses a patented ElectroChemiLuminescence (ECL) technology for immunoassay analysis.		

CHOLESTEROL

Sample: 20-Apr-2025			
Cholesterol	225 mg/dl	< 200 mg/dl	
Methadology	Test performed on Cobas c 111 automated chemistry analyzer.		

HbA1C (Glycosylated Hemoglobin)

Sample: 20-Apr-2025			
HbA1C (Glycosylated Hemoglobin)	5.8 %	Diabetic - >= 6.5 % Impaired - 5.7-6.4 %	
Remarks:	According to guidelines of the American Diabetes Association (ADA), HbA1c level (6.5%) is one of the criteria for the diagnosis of Diabetes Mellitus. 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.		
Methadology	The D-10 (BIORAD) is an automated HbA1c system that utilizes gold standard ion-exchange HPLC technology.		
Note:	HbA1c level is an indicator of blood glucose levels over the previous 2-3 months period.		

Liver Function Test With GGT (LFT)

Sample: 20-Apr-2025			
Total Bilirubin	0.74 mg/dl	0.0 - 1.0 mg/dl	
Direct Bilirubin	0.36 mg/dl	0.0 - 0.25 mg/dl	
Alkaline Phosphatase (ALP)	93 U/l	Adults: Male 40 - 129 U/l Female 35 - 140 U/l	
ALT/SGPT	58 U/l	Male 0-41 U/l Female 0-31 U/l	
Aspartate Aminotransferase (AST/SGOT)	34 U/l	Male 0 - 35 U/l Female 0 - 31 U/l	
Gamma - Glutamyl Transferase (GGT)	82 U/l	Male 11 - 61 U/l Female 9 - 39 U/l	

Remarks	Rechecked.
Methadology	Test performed on Cobas c 111 automated chemistry analyzer.

SERUM ELECTROLYTES

Sample: 20-Apr-2025			
Sodium	141 meq/l	136-145 meq/l	
Potassium	4.9 meq/l	3.8-5.2 meq/l	

Prepared By
Nashee Nazir
LAB. TECH



Verified By

Notes : Electronically verified report,signatures not required. identity of the patient not verified.Any query about this may be address within twenty four hours of reporting, the duration for which the samples are preserved.

BAHRIA TOWN INTERNATIONAL HOSPITAL
KARACHI BRANCH

Precinct 19, Phase 1, Bahria Town Karachi
111 111 284



بحریہ ٹاؤن انٹرنیشنل ہسپتال
کراچی برانچ
پریسنٹ ۱۹، فیز ۱، بحریہ ٹاؤن کراچی
111 111 284

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Chloride 110 meq/l 96-107 meq/l

Bicarbonate 20 meq/l 22-29 meq/l

Remarks Rechecked

TSH

Sample: 20-Apr-2025

Thyroid Stimulating Hormone (TSH) 0.924 uIU/mL

Birth - 4 Days 1.0 - 39
2 weeks - 20 weeks 1.7 - 9.1
21 weeks - 20 years 0.7 - 6.4
Adult 21 - 54 years 0.4 - 4.2
Adult 55 - 87 years 0.5 - 8.9

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HAEMATOLOGY

Investigation	Values	Reference Ranges	* Last Available Results
BLOOD C/E (Complete, CBC)			
Sample: 20-Apr-2025			
Hemoglobin (Hb)	14.8 g/dl	13 - 16.5 g/dl	
Hematocrit (HCT/PCV)	45.3 %	39 - 49.5 %	
Red Blood Cell (R.B.C.)	5.91 million/ul	4.5 - 5.5 million/ul	
Mean Corpuscular Volume (MCV)	76.7 fl	80 - 100 fl	
Mean Corpuscular Hemogloblaobin (MCH)	25.2 Pg	27 - 34 Pg	
Mean Corpuscular Hemoglobin Concentration (MCHC)	32.9 g/dl	31 - 35 g/dl	
T.L.C	5.6 x 1000/ul	4 - 10 x 1000/ul	
Neutrophils Count	60 %	40 - 80 %	
Lymphocytes Count	30 %	20 - 40 %	
Eosinophils Count	03 %	1 - 6 %	
Monocytes Count	07 %	2 - 10 %	
Platelets Count	233 x 1000/ul	150 - 410 x 1000/ul	
RDW	18.9		
Morphology	Hypochromic, Anisocytosis		

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