



LABORATORY REPORT

MR. NO : 010-022-521 NAME : SABA RIZVI W/O HASSAN ABBAS RIZVI  
REF BY : ADDRESS : VILLA NO-370, QUAID VILLA BAHRIA TOWN KARACHI  
SEX : F  
AGE : 61Y 02Mo 23D  
CONTACT : 03040120425

BIOCHEMISTRY

Investigation	Values	Reference Ranges	* Last Available Results
<b>25-Hydroxy Vitamin-D</b> Sample: 20-Apr-2025 25 OH Vitamin D Total	21.18 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.		

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	0.42 mg/dl	0.0 - 1.0 mg/dl
Direct Bilirubin	0.20 mg/dl	0.0 - 0.25 mg/dl
Alkaline Phosphatase (ALP)	117 U/l	Adults: Male 40 - 129 U/l Female 35 - 140 U/l
ALT/SGPT	15 U/l	Male 0-41 U/l Female 0-31 U/l
Aspartate Aminotransferase (AST/SGOT)	20 U/l	Male 0 - 35 U/l Female 0 - 31 U/l
Gamma - Glutamyl Transferase (GGT)	12 U/l	Male 11 - 61 U/l Female 9 - 39 U/l
Methadology	Test performed on Cobas c 111 automated chemistry analyzer.	

Magnesium (Serum)

Sample: 20-Apr-2025 Magnesium	2.0 mg/dl	1.6-2.6
Methadology	Test performed on Cobas c 111 automated chemistry analyzer.	

SERUM ELECTROLYTES

Sample: 20-Apr-2025 Sodium	139 meq/l	136-145 meq/l
Potassium	4.2 meq/l	3.8-5.2 meq/l

Prepared By  
Naheed Kanwal  
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 21 meq/l 22-29 meq/l

Remarks Test performed on Cobas c 111 automated chemistry analyzer.

TSH

Sample: 20-Apr-2025

Thyroid Stimulating Hormone (TSH) 6.49 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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