



Laboratory Investigation Report

Mr. KHALID KOVVUMMAL Ref No. :

 DOB
 : 21/01/1979
 Sample No.
 : 2504558583

 Age / Gender
 : 46 Y / Male
 Collected
 : 03/04/2025 11:37

 Referred by
 : DR.AMAIZAH ISHTIAQ
 Registered
 : 04/04/2025 20:33

Centre : CITICARE MEDICAL CENTER Reported : 04/04/2025 23:49

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
URIC ACID (SERUM)	9.3	Н	mg/dL	3.4 - 7.0	Enzymatic colorimteric assay
				Please note change.	

Source: Roche IFU.

CREATININE (SERUM)0.87 mg/dL
0.74 - 1.35 Kinetic colorimetric assay based on Jaffe method

INTERPRETATION NOTES:

Name

 Creatinine measurements are used as an aid in diagnosis and monitoring of renal disorders, Chronic Kidney disease (CKD) and in monitoring of renal dialysis and also used for the calculation of the fractional excretion of other urine analytes (e. g., albumin, α-amylase).

- Creatinine is a break-down product of creatine phosphate in muscle, and is produced at a fairly constant rate by the body (depending on muscle mass). It is freely filtered by the glomeruli and, under normal conditions, is not reabsorbed by the tubules to any appreciable extent. A small but significant amount is also actively secreted. Its concentration is thus, inversely related to glomerular filtration rate (GFR).
- 3. Physiological factors affecting serum creatinine concentration include age, gender, race, muscularity, exercise, pregnancy, certain drugs, diet, dehydration and nutritional status.
- 4. Low serum Creatinine levels is seen in cases of low muscle mass like muscular atrophy, or aging.
- 5. High serum creatinine levels is seen in Acute and Chronic kidney disease, obstruction.
- 6. Since a rise in blood creatinine is observed only with marked damage of the nephrons, it is not suited to detect early stage kidney disease.

Sample Type : Serum

End of Report

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah M.D (Pathology) Clinical Pathologist

This is an electronically authenticated report

P.O Box: 49527

Page 1 of 3

Tel: +971 4 398 8567

HARSHAD MANIKANDAN Laboratory Technician Printed on: 05/04/2025 00:35

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.

Dubai, UAE









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BIOCHEMISTRY

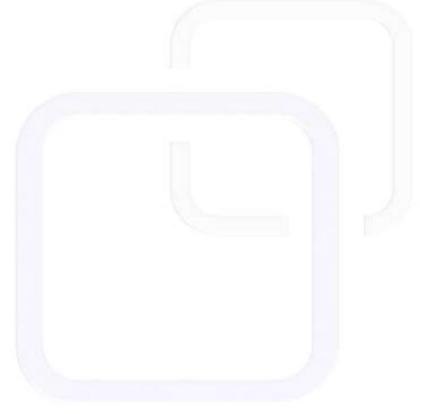
Result Flag Unit **Reference Range** Methodology Test **GLUCOSE (FASTING)** mg/dL < 100 Hexokinase

111

Please note change. Source: The American Diabetes Association (ADA)

Fluoride Plasma Sample Type:





Dr. Adley Mark Fernandes M.D (Pathology) **Pathologist**

Dr. Vyoma V Shah M.D (Pathology) **Clinical Pathologist**

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BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
UREA (SERUM)	13		mg/dL	12.86 - 42.86	Kinetic test with urease and
C-REACTIVE PROTEIN (CRP)				Please note change.	glutamate dehydrogenase
				Source: Roche IFU	
	< 0.6		mg/L	< 5.0	Particle-enhanced immunoturbidimetric assay
				Please note change.	
				Source: Roche IFU.	

INTERPRETATION NOTES:

Name

Centre

- 1. CRP measurements are used as aid in diagnosis, monitoring, prognosis, and management of suspected inflammatory disorders and associated diseases, acute infections and tissue injury.
- 2. C-reactive protein is the classic acute phase protein in inflammatory reactions.
- 3. CRP is the most sensitive of the acute phase reactants and its concentration increases rapidly during inflammatory processes. The CRP response frequently precedes clinical symptoms, including fever. After onset of an acute phase response, the serum CRP concentration rises rapidly and extensively. The increase begins within 6 to 12 hours and the peak value is reached within 24 to 48 hours. Levels above 100 mg/L are associated with severe stimuli such as major trauma and severe infection (sepsis).
- 4. CRP response may be less pronounced in patients suffering from liver disease.
- 5. CRP assays are used to detect systemic inflammatory processes (apart from certain types of inflammation such as systemic lupus erythematosus (SLE) and Colitis ulcerosa); to assess treatment of bacterial infections with antibiotics; to detect intrauterine infections with concomitant premature amniorrhexis; to differentiate between active and inactive forms of disease with concurrent infection, e.g. in patients suffering from SLE or Colitis ulcerosa; to therapeutically monitor rheumatic disease and assess anti-inflammatory therapy; to determine the presence of post-operative complications at an early stage, such as infected wounds, thrombosis and pneumonia, and to distinguish between infection and bone marrow transplant rejection.

Sample Type: Serum

End of Report

Dr. Adley Mark Fernandes M.D (Pathology) Pathologist Dr. Vyoma V Shah M.D (Pathology) Clinical Pathologist

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