



Mr. MUHAMMAD ZEESHAN .

PID NO : 38500

Age : 27 Years Sex : Male

DOB: 29-Jul-1998



Reference : Dr. AMAIZAH ISHTIAQ

Referred Client :

CITICARE MEDICAL CENTER

Unit G03, Al Barsha South Bldg, Al Barsha South
Third, Dubai

VID : 5080100931

Collected on :

03-Aug-2025 08:25 PM

Registered on :

04-Aug-2025 11:21 AM

Reported on :

04-Aug-2025 12:47 PM

Investigation	Observed Value	Flag	Unit	Biological Reference Interval	Method
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	15.8		g/dL	13.5 - 17.5	Photometric
RBC COUNT	5.1		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	46.2		%	38 - 50	Calculation
MCV	90.2		fL	82 - 98	Calculation
MCH	30.8		pg	27 - 32	Calculation
MCHC	34.1		g/dL	32 - 37	Calculation
* RDW	12.1		%	11.8 - 15.6	Calculation
* RDW-SD	38.10		fL		Calculation
MPV	9.2		fL	7.6 - 10.8	Calculation
PLATELET COUNT	179		10 ³ /uL	150 - 450	Electrical Impedance
* NUCLEATED RBC (NRBC)	0.10		/100 WBC		VCS 360 Technology
* ABSOLUTE NRBC COUNT	0.01		10 ³ /uL		Calculation
TOTAL & DIFFERENTIAL COUNT (DC)					
WBC COUNT	8.5		10 ³ /μL	4 - 11	Electrical Impedance
NEUTROPHILS	50		%	40 - 75	VCS 360 Technology
LYMPHOCYTES	42		%	20 - 45	VCS 360 Technology
EOSINOPHILS	5		%	0 - 6	VCS 360 Technology
MONOCYTES	3		%	1 - 6	VCS 360 Technology
BASOPHILS	0		%	0 - 1	VCS 360 Technology
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	4.25		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	3.57		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.26		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.42		10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0		10 ³ /uL	0 - 0.11	Calculation

Sample Type: EDTA Whole Blood

Dr. Vyoma Shah

DR. ADLEY MARK FERNANDES

M.D (Pathology)
Pathologist

DR. VYOMA SHAH

M.D (Pathology)
Clinical Pathologist

Dr. J. Dulanka

JALADINI DULANKA

Laboratory Technologist

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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 unless specified by (*).
Test marked with # is performed in an accredited referral laboratory.





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Investigation	Observed Value	Flag	Unit	Biological Reference Interval
* C-REACTIVE PROTEIN (CRP) (Serum, Particle-enhanced immunoturbidimetric assay)	2.01		mg/L	< 5.0 Please note change. Source: Roche IFU.

INTERPRETATION :

- CRP measurements are used as aid in diagnosis, monitoring, prognosis, and management of suspected inflammatory disorders and associated diseases, acute infections and tissue injury.
- C-reactive protein is the classic acute phase protein in inflammatory reactions.
- 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).
- CRP response may be less pronounced in patients suffering from liver disease.
- 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."

GLUCOSE RANDOM (Fluoride Plasma, Hexokinase)	81		mg/dL	< 200
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INTERPRETATION:

- High levels (More than or equal to 500 mg/dL) are considered a critical value.
- Infants older than 1 week: Low levels (Less than or equal to 40 mg/dL) are considered to be potentially life threatening.
- Infants younger than 1 week: Low levels (Less than or equal to 25 mg/dL) are considered to be potentially life threatening.

Clinical Utility:

- Helpful in evaluation of diabetes and other carbohydrate metabolism disorders including gestational diabetes, neonatal hypoglycemia, idiopathic hypoglycemia and pancreatic islet cell carcinoma.

Note:

- Whole blood glucose levels (capillary blood/ glucometer samples) are 12 – 15% lower than plasma concentrations.
- Exercise immediately before sample collection can lower random glucose test results.

Associated Tests:

- HbA1c, Diabetes Profile

References:

- Kit insert
- Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics. 8th edition. Edited by CA Burtis.

----- End Of Report -----

Dr. Vyoma Shah

DR. VYOMA SHAH
M.D (Pathology)
Clinical Pathologist

Anjumol Vadakkinnathu

ANJUMOL VADAKKINATHU
Laboratory Technologist

Eloisa May Delmo

ELOISA MAY DELMO
Laboratory Technologist

This is an Electronically Authenticated Report.

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