

# NAME OF HOSPITAL








CERTIFICATE NO.







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LIFE'S ON 

Name :   
Registration No :   
Patient Episode :   
Referred By :   
Receiving Date : 

Age :   
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## BIOCHEMISTRY

## Clinical Laboratory Report

### RENAL PANEL - I

Specimen: Serum/ Plasma

Plasma GLUCOSE- Random (Hexokinase)	78	mg/dl	[70-140]
BUN (Urease/GLDH)	9.81	mg/dl	[6.00-20.00]
SERUM CREATININE (mod.Jaffe)	0.86 #	mg/dl	[0.90-1.30]
*eGFR(Calculated)	115.5	ml/min/1.73sq.m	[>60.0]
SERUM SODIUM (Indirect ISE)	139.0	mmol/l	[136.0-145.0]
SERUM POTASSIUM (Indirect ISE)	4.01	mmol/l	[3.50-5.10]
SERUM CHLORIDE (Indirect ISE)	104.7	mmol/L	[98.0-107.0]
SERUM BICARBONATE(Enzymatic PEP-MD)	24.4	mmol/L	[21.0-31.0]
UREA	21.0	mg/dl	[17.0-43.0]

### Disclaimer :

eGFR which is primarily based on Serum Creatinine is a derivation of CKD-EPI 2009 equation normalized to 1.73 sq.m BSA and is not applicable to individuals below 18 years. eGFR tends to be less accurate when Serum Creatinine estimation is indeterminate e.g. patients at extremes of muscle mass, on unusual diets etc. and samples with severe Hemolysis / Icterus / Lipemia.

Page 1 of 3

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## BIOCHEMISTRY

## Clinical Laboratory Report

Troponin-I - High sensitive ( hs - Troponin I)  
Specimen : Serum

Troponin-I High sensitivity (hs -TnI) 1.30 ng/L [<17.50]

Methodology: CLIA

### Note:

- " <17.5 ng/L is the upper reference Limit for (hs -TnI).
- " 17.5 ng/L & pain for more than 6hrs -Repeat sample after 3 hrs-50% change in the initial value is diagnostic of MI (Myocardial Infarction).
- " 17.5 - 87.5ng/L -Repeat after 3 hrs-50% change in initial value is diagnostic of MI.
- " >87.5 ng/L -MI may be ruled in as appropriate to 98% specificity.

### References:

- 1.Biomarker study group of the ESC Acute cardiovascular care Association 2017 EHJ.
- 2.Kim S, Yoo SJ, Kim J. Evaluation of the new Beckman Coulter Access hsTnI: 99th percentile upper reference limits according to age and sex in the Korean population. Clin Biochem. 2020 May;79:48-53. doi: 10.1016/j.clinbiochem.2020.02.005. Epub 2020 Feb 12. PMID: 32059836.
- 3.ESC guidelines 2015 EHJ
4. Rao.L.V.,Michael snyder.L.(2021).Wallach's Interpretation of Diagnostic Tests.11th Edition WoltersKluwer
- NaderRifai,Andrea Rita Horvath,Carl T.wittwer.(2018)Teitz Text book of Clinical Chemistry and Molecular Diagnostics.First edition,Elsevier,South Asia.

Page 2 of 3

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**DOCTOR NAME**  
**DOCTOR SIGNATURE**  
Consultant Pathologist

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## HAEMATOLOGY

## Clinical Laboratory Report

### COMPLETE BLOOD COUNT (Coulter Principle)

Specimen-EDTA Whole Blood

WBC Count (TC) (Coulter Principle)	8800	/cu.mm	[4400-11000]
RBC Count (Electrical impedance)	5.37	million/cu.mm	[4.50-5.50]
Haemoglobin (Photometric)	15.1	g/dl	[13.0-17.0]
Haematocrit (Calculated)	44.1	%	[40.0-50.0]
MCV (Derived)	82.1	# fl	[83.0-101.0]
MCH (Calculated)	28.2	pg	[27.0-32.0]
MCHC (Calculated)	34.3	g/dl	[31.5-34.5]
Platelet Count (Electrical impedance)	188000	/ cu.mm	[150000-400000]
RDW (CV) (Derived)	14.0	%	[11.6-14.0]
MPV (Derived)	11.00	fL	[7.00-12.00]

### DIFFERENTIAL COUNT (VCS technology & Microscopy)

Neutrophils	63.1	%	[40.0-75.0]
Lymphocytes	30.5	%	[20.0-45.0]
Monocytes	6.0	%	[2.0-10.0]
Eosinophils	0.3	%	[0.0-7.0]
Basophils	0.1	%	[0.0-1.0]
Neutrophil Absolute	5552.8	/cu mm	[2000.0-7000.0]
Lymphocyte Absolute	2684.0	/cu mm	[1000.0-3000.0]
Monocyte Absolute	528.0	/cu mm	[200.0-1000.0]
Eosinophil Absolute	26.4	/cu mm	[20.0-500.0]
Basophil Absolute	8.8	# /cu mm	[20.0-100.0]

Page 3 of 3

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