NAME	:	**Mr. RANA KUMAR MAUSUM**	MR NO.	:	21100455
AGE/SEX	:	34 Yrs / Male	VISIT NO.	:	141946
REFERRED BY	:		DATE OF COLLECTION	:	09-10-2021 at 09:18 AM
			DATE OF REPORT	:	09-10-2021 at 02:17 PM
REF CENTER	:	MEDIWHEEL			

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN

HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC) WITH ESR

HAEMOGLOBIN *Colorimetric Method*	16.2 gm/dL	13 - 18 gm/dL
HEMATOCRIT (PCV) *Calculated*	49.4 %	40 - 54 %
RED BLOOD CELL (RBC) COUNT *Electrical Impedance*	5.1 million/cu.mm	4.5 - 5.9 million/cu.mm
PLATELET COUNT *Electrical Impedance*	1.7 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm
MEAN CELL VOLUME (MCV) *Calculated*	96.8 fl	80 - 100 fl
MEAN CORPUSCULAR HEMOGLOBIN (MCH) *Calculated*	31.7 pg	26 - 34 pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) *Calculated*	32.8 %	31 - 35 %
TOTAL WBC COUNT (TC) *Electrical Impedance*	5650 cells/cumm	4000 - 11000 cells/cumm

DIFFERENTIAL COUNT

NEUTROPHILS *VCS Technology/Microscopic*	58 %	40 - 75 %
LYMPHOCYTES *VCS Technology/Microscopic*	35 %	25 - 40 %
EOSINOPHILS *VCS Technology/Microscopic*	02 %	0 - 7 %
MONOCYTES *VCS Technology/Microscopic*	05 %	1 - 8 %
BASOPHILS *Electrical Impedance*	00 %	
ESR *Westergren Method*	15 mm/hr	0 - 15 mm/hr

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	:	**Mr. RANA KUMAR MAUSUM**	MR NO.	:	21100455
AGE/SEX	:	34 Yrs / Male	VISIT NO.	:	141946
REFERRED BY	:		DATE OF COLLECTION	:	09-10-2021 at 09:18 AM
			DATE OF REPORT	:	09-10-2021 at 02:17 PM
REF CENTER	:	MEDIWHEEL			

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
BLOOD GROUP & Rh TYPING *Tube Agglutination (Forward and Reverse)*	"O" Positive		
GLYCATED HAEMOGLOBIN (HbA1C) *HPLC*	7.2 %	**American Diabetic Association (ADA) recommendations:** Non diabetic adults : <5.7 % At risk (Pre diabetic): 5.7 – 6.4% Diabetic : >/= 6.5% **Therapeutic goal for glycemic control :** Goal for therapy: < 7.0% Action suggested: > 8.0%	
ESTIMATED AVERAGE GLUCOSE (eAG) *Calculation*	159.94 mg/dL		

Comments:

This assay is useful for diagnosing Diabetes and evaluating long term control of blood glucose concentrations in diabetic patients.It reflects the mean glucose concentration over the previous period of 8 to 12 weeks and is a better indicator of long term glycemic control as compared with blood and urine glucose measurements. This provides a additional criterion for assessing glucose control because glycated hemoglobin values are free of day-to-day glucose fluctuation and are unaffected by exercise or food ingestion.

After a sudden alteration in blood glucose concentration, the rate of change of HbA1c is rapid during initial 2 months, followed by more gradual change approaching steady state 3 months later.

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	:	**Mr. RANA KUMAR MAUSUM**	MR NO.	:	21100455
AGE/SEX	:	34 Yrs / Male	VISIT NO.	:	141946
REFERRED BY	:		DATE OF COLLECTION	:	09-10-2021 at 09:18 AM
			DATE OF REPORT	:	09-10-2021 at 02:17 PM
REF CENTER	:	MEDIWHEEL			

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
CLINICAL BIOCHEMISTRY			
FASTING BLOOD SUGAR *Hexokinase*	**138.5** mg/dl	70 - 110 mg/dl	
CREATININE *Jaffe Method*	1.02 mg/dL	0.8 - 1.4 mg/dL	

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	: **Mr. RANA KUMAR MAUSUM**	MR NO.	: 21100455
AGE/SEX	: 34 Yrs / Male	VISIT NO.	: 141946
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:18 AM
		DATE OF REPORT	: 09-10-2021 at 02:17 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIPID PROFILE TEST			
TOTAL CHOLESTEROL *Cholesterol Oxidase-Peroxidase (CHOD-POD)*	179.1 mg/dL	up to 200 mg/dL Border Line: 200 – 240 mg/dL High: > 240 mg/dL	
TRIGLYCERIDES *Glycerol Peroxidase-Peroxidase (GPO-POD)*	**161.5** mg/dL	up to 150 mg/dL Desirable: <150 mg/dL Border Line: 150 – 200 mg/dL High: >200 – 500 mg/dL Very High: > 500 mg/dL	
HDL CHOLESTEROL - DIRECT *PEG-Cholesterol Esterase*	57.1 mg/dl	40 - 60 mg/dl >/= 60mg/dL - Excellent (protects against heart disease) 40-59 mg/dL - Higher the better <40 mg/dL - Lower than desired (major risk for heart disease)	
LDL CHOLESTEROL - DIRECT *Cholesterol Esterase-Cholesterol Oxidase*	89.7 mg/dL	up to 100 mg/dL 100-129 mg/dL- Near optimal/above optimal 130-159 mg/dL- Borderline High 160-189 mg/dL- High 190->190 mg/dL - Very High	
VLDL CHOLESTEROL *Calculation*	**32.3** mg/dL	2 - 30 mg/dL	

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	:	**Mr. RANA KUMAR MAUSUM**	MR NO.	:	21100455
AGE/SEX	:	34 Yrs / Male	VISIT NO.	:	141946
REFERRED BY	:		DATE OF COLLECTION	:	09-10-2021 at 09:18 AM
			DATE OF REPORT	:	09-10-2021 at 02:17 PM
REF CENTER	:	MEDIWHEEL			

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
TOTAL CHOLESTROL/HDL RATIO *Calculation*	3.1	up to 3.5 3.5-5.0 - Moderate >5.0 - High	
LDL/HDL RATIO *Calculation*	1.6	up to 2.5 2.5-3.3 - Moderate >3.3 - High	
LIVER FUNCTION TEST (LFT)			
TOTAL BILIRUBIN *Colorimetric Diazo Method*	0.96 mg/dL	0.2 - 1.2 mg/dL	
DIRECT BILIRUBIN *Colorimetric Diazo Method*	0.24 mg/dL	0 - 0.4 mg/dL	
INDIRECT BILIRUBIN *Calculation*	0.72 mg/dl		
S G O T (AST) *IFCC Without Pyridoxal Phosphates*	**46.7** U/L	up to 35 U/L	
S G P T (ALT) *IFCC Without Pyridoxal Phosphates*	**67.2** U/L	up to 50 U/L	
ALKALINE PHOSPHATASE *p-Nitrophenyl Phosphate*	112.4 U/L	36 - 113 U/L	
SERUM GAMMA GLUTAMYLTRANSFERASE (GGT) *GCNA-IFCC*	70.1 U/L	15 - 85 U/L	
TOTAL PROTEIN *Biuret Colorimetric*	6.52 g/dl	6.2 - 8 g/dl	
S.ALBUMIN *Bromocresol Green (BCG)*	4.23 g/dl	3.5 - 5.2 g/dl	
S.GLOBULIN *Calculation*	**2.3** g/dl	2.5 - 3.8 g/dl	
A/G RATIO *Calculation*	**1.8**	1 - 1.5	

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	: **Mr. RANA KUMAR MAUSUM**	MR NO.	: 21100455
AGE/SEX	: 34 Yrs / Male	VISIT NO.	: 141946
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:18 AM
		DATE OF REPORT	: 09-10-2021 at 02:17 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
POST PRANDIAL BLOOD SUGAR *Hexokinase*	**196.3** mg/dl	80 - 150 mg/dl	
BLOOD UREA *UREASE-GLUTAMATE DEHYDROGENASE (GLDH)*	16.6 mg/dL	15 - 50 mg/dL	
CREATININE *Jaffe Kinetic*	1.02 mg/dL	0.4 - 1.4 mg/dL	
URIC ACID *Uricase-Peroxidase*	5.1 mg/dL	3 - 7.2 mg/dL	
SERUM ELECTROLYTES			
SODIUM *Ion Selective Electrode (ISE)*	139 mmol/L	136 - 145 mmol/L	
POTASSIUM *Ion Selective Electrode (ISE)*	4.6 mmol/L	3.5 - 5.2 mmol/L	
CHLORIDE *Ion Selective Electrode (ISE)*	103 mmol/L	97 - 111 mmol/L	

CLINICAL PATHOLOGY

URINE ROUTINE & MICROSCOPIC

PHYSICAL EXAMINATION		
Colour *Visual Method*	Pale Yellow	Pale yellow- yellow
Appearance *Visual Method*	Clear	Clear/Transparent
Specific Gravity *Strips Method*	1.015	1.005-1.035
pH	6.0	4.6-8.5
CHEMICAL EXAMINATION (DIPSTICK)		
Protein *Strips Method*	Nil	Nil -Trace

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	: **Mr. RANA KUMAR MAUSUM**	MR NO.	: 21100455
AGE/SEX	: 34 Yrs / Male	VISIT NO.	: 141946
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:18 AM
		DATE OF REPORT	: 09-10-2021 at 02:17 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
Glucose *Strips Method*	Nil	Nil	
Blood *Strips Method*	Negative	Negative	
Ketone Bodies *Strips Method*	Absent	Negative	
Urobilinogen *Strips Method*	Normal	Normal	
Bile Salt *Strips Method*	Negative	Negative	
Bilirubin *Strips Method*	Negative	Negative	
Bile Pigments	Negative	NIL	
MICROSCOPY			
Pus Cells (WBC) *Light Microscopic*	3 - 4 /hpf	0-5/hpf	
Epithelial Cells *Light Microscopic*	1 - 2 /hpf	0-4/hpf	
RBC *Light Microscopic*	Not Seen /hpf	0-2/hpf	
Cast *Light Microscopic*	NIL	NIL	
Crystal *Light Microscopic*	NIL	Nil	
FASTING URINE SUGAR (FUS)	NIL	NIL	

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	: **Mr. RANA KUMAR MAUSUM**	MR NO.	: 21100455
AGE/SEX	: 34 Yrs / Male	VISIT NO.	: 141946
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:18 AM
		DATE OF REPORT	: 09-10-2021 at 02:17 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
STOOL ROUTINE EXAMINATION			
MACROSCOPIC EXAMINATION			
COLOUR *Manual*	Brownish	Light to Dark brown	
CONSISTENCY *Manual*	Semi Solid	Well formed-semi solid	
MUCUS *Manual*	Absent	Absent	
BLOOD *Manual*	Absent	Absent	
CHEMICAL EXAMINATION			
PUS CELLS *Light Microscopy*	1 - 2	Absent	
EPITHELIAL CELLS *Light Microscopy*	1-2	Few	
BACTERIA *Light Microscopy*	Present (++)		
MICROSCOPIC EXAMINATION			
CYST *Light Microscopy*	Not Seen	Absent	
OVA *Light Microscopy*	Not Seen	Absent	

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	:	**Mr. RANA KUMAR MAUSUM**	MR NO.	:	21100455
AGE/SEX	:	34 Yrs / Male	VISIT NO.	:	141946
REFERRED BY	:		DATE OF COLLECTION	:	09-10-2021 at 09:18 AM
			DATE OF REPORT	:	09-10-2021 at 02:17 PM
REF CENTER	:	MEDIWHEEL			

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN

IMMUNOASSAY

THYROID PROFILE

TOTAL TRIIODOTHYRONINE (T3) *CMIA*	1.06 ng/mL	0.87 - 1.78 ng/mL	
TOTAL THYROXINE (T4) *CMIA*	8.47 µg/dL	6.09 - 12.23 µg/dL	
THYROID STIMULATING HORMONE (TSH) *CMIA*	2.058 µIU/mL	0.38 - 5.33 µIU/mL 1st Trimester: 0.05 - 3.70 2nd Trimester: 0.31 – 4.35 3rd Trimester: 0.41 – 5.18	

Note:

- *TSH levels are subject to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm. The variation is of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.*
- Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

Clinical Use:

- *Primary Hypothyroidism*
- *Hyperthyroidism*
- *Hypothalamic - Pituitary hypothyroidism*
- *Inappropriate TSH secretion*
- *Nonthyroidal illness*
- *Autoimmune thyroid disease*
- *Pregnancy associated thyroid disorders*
- *Thyroid dysfunction in infancy and early childhood*

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com

NAME	:	**Mr. RANA KUMAR MAUSUM**	MR NO.	:	21100455
AGE/SEX	:	34 Yrs / Male	VISIT NO.	:	141946
REFERRED BY	:		DATE OF COLLECTION	:	09-10-2021 at 09:18 AM
			DATE OF REPORT	:	09-10-2021 at 02:17 PM
REF CENTER	:	MEDIWHEEL			

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
PROSTATIC SPECIFIC ANTIGEN (PSA)			
PROSTATIC SPECIFIC ANTIGEN (PSA) *CMIA*	0.45 ng/mL	Up to 4ng/mL: Normal 4-10 ng/mL Hypertrophy & benign genito urinary conditions. >10 ng/mL Suspicious of malignancy.	

PSA is used for monitoring patients with a history of prostate cancer and as an early indicator of recurrence and response to treatment. The test is commonly used for Prostate cancer screening.

Dispatched by: Sumalatha

**** End of Report ****

Printed by: Sumalatha on 09-10-2021 at 02:17 PM

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072.
Enquiry: +91 99867 33 333, Appointments : +91 98863 55 135, Reports: +91 74063 11 116
For Home Sample Collections Contact : +91 99867 333 33
E-mail : medicludiagnostics@gmail.com website : www.mediclu.com