


NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY :		DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
		DATE OF REPORT	: 09-10-2021 at 01:44 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

### MEDIWHEEL HEALTH CHECKUP FEMALE

#### HAEMATOLOGY

#### COMPLETE BLOOD COUNT (CBC) WITH ESR

HAEMOGLOBIN <i>Colorimetric Method</i>	12.8 gm/dL	12 - 16 gm/dL
HEMATOCRIT (PCV) <i>Calculated</i>	39.8 %	36 - 47 %
RED BLOOD CELL (RBC) COUNT <i>Electrical Impedance</i>	4.3 million/cu.mm	4 - 5.2 million/cu.mm
PLATELET COUNT <i>Electrical Impedance</i>	2.1 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm
MEAN CELL VOLUME (MCV) <i>Calculated</i>	92.3 fl	80 - 100 fl
MEAN CORPUSCULAR HEMOGLOBIN (MCH) <i>Calculated</i>	29.6 pg	26 - 34 pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) <i>Calculated</i>	32.1 %	31 - 35 %
TOTAL WBC COUNT (TC) <i>Electrical Impedance</i>	7260 cells/cumm	4000 - 11000 cells/cumm

#### DIFFERENTIAL COUNT

NEUTROPHILS <i>VCS Technology/Microscopic</i>	57 %	40 - 75 %
LYMPHOCYTES <i>VCS Technology/Microscopic</i>	34 %	25 - 40 %
EOSINOPHILS <i>VCS Technology/Microscopic</i>	03 %	0 - 7 %
MONOCYTES <i>VCS Technology/Microscopic</i>	06 %	1 - 8 %
BASOPHILS <i>Electrical Impedance</i>	00 %	

*Krishna M. Murthy*



*A. Vamseedhar*

**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.



(A Unit of Vijayalakshmi Diagnostics Pvt. Ltd.)

## Diagnostics & Speciality Centre

NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 09-10-2021 at 01:44 PM



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
ESR <i>Westergren Method</i>	12 mm/hr	0 - 20 mm/hr	
BLOOD GROUP & Rh TYPING <i>Tube Agglutination (Forward and Reverse)</i>	"O" Positive		

**Dr. KRISHNA MURTHY**

MD  
BIOCHEMIST

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.



**Lab Seal**

**Dr. VAMSEEDHAR.A**


D.C.P, M.D  
CONSULTANT PATHOLOGIST



(A Unit of Vijayalakshmi Diagnostics Pvt. Ltd.)

## Diagnostics & Speciality Centre

NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 09-10-2021 at 01:44 PM



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

GLYCATED HAEMOGLOBIN (HbA1C)  
HPLC

5.3 %

**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

105.41 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


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.



Lab Seal

**Dr. VAMSEEDHAR.A**

D.C.P, M.D  
CONSULTANT PATHOLOGIST

NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY :		DATE OF COLLECTION :	09-10-2021 at 09:24 AM
		DATE OF REPORT :	09-10-2021 at 01:44 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

**CLINICAL BIOCHEMISTRY**

**LIPID PROFILE TEST**

<b>TOTAL CHOLESTEROL</b> <i>Cholesterol Oxidase-Peroxidase (CHOD-POD)</i>	132 mg/dL	up to 200 mg/dL Border Line: 200 – 240 mg/dL High: > 240 mg/dL
<b>TRIGLYCERIDES</b> <i>Glycerol Peroxidase-Peroxidase (GPO-POD)</i>	89.8 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
<b>HDL CHOLESTEROL - DIRECT</b> <i>PEG-Cholesterol Esterase</i>	44.8 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)
<b>LDL CHOLESTEROL - DIRECT</b> <i>Cholesterol Esterase-Cholesterol Oxidase</i>	69.2 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
<b>VLDL CHOLESTEROL</b> <i>Calculation</i>	18.0 mg/dL	2 - 30 mg/dL

*Krishna M. Murthy*



*A. Vamseedhar*

**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.

NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY :		DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
		DATE OF REPORT	: 09-10-2021 at 01:44 PM
REF CENTER	: MEDIWHEEL		



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
TOTAL CHOLESTROL/HDL RATIO <i>Calculation</i>	2.9	up to 3 3.0-4.4 - Moderate >4.4 - High	
LDL/HDL RATIO <i>Calculation</i>	1.5	up to 2.5 2.5-3.3 - Moderate >3.3 - High	
FASTING BLOOD SUGAR <i>Hexokinase</i>	75.2 mg/dl	70 - 110 mg/dl	
BLOOD UREA <i>UREASE-GLUTAMATE DEHYDROGENASE (GLDH)</i>	13.5 mg/dL	15 - 50 mg/dL	
CREATININE <i>Jaffe Kinetic</i>	0.66 mg/dL	0.4 - 1.4 mg/dL	
URIC ACID <i>Uricase-Peroxidase</i>	5.5 mg/dL	2.5 - 6 mg/dL	
<b>SERUM ELECTROLYTES</b>			
SODIUM <i>Ion Selective Electrode (ISE)</i>	136 mmol/L	136 - 145 mmol/L	
POTASSIUM <i>Ion Selective Electrode (ISE)</i>	4.2 mmol/L	3.5 - 5.2 mmol/L	
CHLORIDE <i>Ion Selective Electrode (ISE)</i>	105 mmol/L	97 - 111 mmol/L	

*Krishna M. Murthy*



*A. Vamseedhar*

**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.

NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
		DATE OF REPORT	: 09-10-2021 at 01:44 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

### LIVER FUNCTION TEST (LFT)

TOTAL BILIRUBIN <i>Colorimetric Diazo Method</i>	0.97 mg/dL	0.2 - 1.2 mg/dL	
DIRECT BILIRUBIN <i>Colorimetric Diazo Method</i>	<b>0.53</b> mg/dL	0 - 0.4 mg/dL	
INDIRECT BILIRUBIN <i>Calculation</i>	0.44 mg/dl		
S G O T (AST) <i>IFCC Without Pyridoxal Phosphates</i>	19.6 U/L	up to 31 U/L	
S G P T (ALT) <i>IFCC Without Pyridoxal Phosphates</i>	27.6 U/L	up to 46 U/L	
ALKALINE PHOSPHATASE <i>p-Nitrophenyl Phosphate</i>	96.3 U/L	36 - 113 U/L	
SERUM GAMMA GLUTAMYLTRANSFERASE (GGT) <i>GCNA-IFCC</i>	11.5 U/L	5 - 55 U/L	
TOTAL PROTEIN <i>Biuret Colorimetric</i>	<b>6.41</b> g/dl	6.2 - 8 g/dl	
S.ALBUMIN <i>Bromocresol Green (BCG)</i>	3.88 g/dl	3.5 - 5.2 g/dl	
S.GLOBULIN <i>Calculation</i>	<b>2.5</b> g/dl	2.5 - 3.8 g/dl	
A/G RATIO <i>Calculation</i>	<b>1.6</b>	1 - 1.5	
POST PRANDIAL BLOOD SUGAR <i>Hexokinase</i>	122.6 mg/dl	80 - 150 mg/dl	

### CLINICAL PATHOLOGY

### URINE ROUTINE & MICROSCOPIC

#### PHYSICAL EXAMINATION

Colour <i>Visual Method</i>	Pale Yellow	Pale yellow- yellow
--------------------------------	-------------	---------------------

*Krishna M. Murthy*



*A. Vamseedhar*

**Dr. KRISHNA MURTHY**

MD  
BIOCHEMIST

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.

**Lab Seal**

**Dr. VAMSEEDHAR.A**

D.C.P, M.D  
CONSULTANT PATHOLOGIST



(A Unit of Vijayalakshmi Diagnostics Pvt. Ltd.)

## Diagnostics & Speciality Centre

NAME : **Mrs. PRIYASHA RANA** MR NO. : 21100456  
AGE/SEX : 32 Yrs / Female VISIT NO. : 141947  
REFERRED BY : DATE OF COLLECTION : 09-10-2021 at 09:24 AM  
DATE OF REPORT : 09-10-2021 at 01:44 PM  
REF CENTER : MEDIWHEEL



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

Appearance <i>Visual Method</i>	Clear	Clear/Transparent	
------------------------------------	-------	-------------------	--

Specific Gravity <i>Strips Method</i>	1.015	1.005-1.035	
--	-------	-------------	--

pH	6.5	4.6-8.5	
----	-----	---------	--

### CHEMICAL EXAMINATION (DIPSTICK)

Protein <i>Strips Method</i>	Nil	Nil -Trace	
---------------------------------	-----	------------	--

Glucose <i>Strips Method</i>	Nil	Nil	
---------------------------------	-----	-----	--

Blood <i>Strips Method</i>	Negative	Negative	
-------------------------------	----------	----------	--

Ketone Bodies <i>Strips Method</i>	Absent	Negative	
---------------------------------------	--------	----------	--

Urobilinogen <i>Strips Method</i>	Normal	Normal	
--------------------------------------	--------	--------	--

Bile Salt <i>Strips Method</i>	Negative	Negative	
-----------------------------------	----------	----------	--

Bilirubin <i>Strips Method</i>	Negative	Negative	
-----------------------------------	----------	----------	--

Bile Pigments	Negative	NIL	
---------------	----------	-----	--

### MICROSCOPY

Pus Cells (WBC) <i>Light Microscopic</i>	3 - 4 /hpf	0-5/hpf	
---	------------	---------	--

Epithelial Cells <i>Light Microscopic</i>	2 - 3 /hpf	0-4/hpf	
--	------------	---------	--

RBC <i>Light Microscopic</i>	Not Seen /hpf	0-2/hpf	
---------------------------------	---------------	---------	--

Cast <i>Light Microscopic</i>	NIL	NIL	
----------------------------------	-----	-----	--

*Krishna M. Murthy*



*A. Vamseedhar*

**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.



(A Unit of Vijayalakshmi Diagnostics Pvt. Ltd.)

## Diagnostics & Speciality Centre

NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 09-10-2021 at 01:44 PM



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
Crystal <i>Light Microscopic</i>	NIL	Nil	
FASTING URINE SUGAR (FUS)	NIL	NIL	



Lab Seal

**Dr. KRISHNA MURTHY**

MD  
BIOCHEMIST

**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.



NAME	: Mrs. PRIYASHA RANA	MR NO.	: 21100456
AGE/SEX	: 32 Yrs / Female	VISIT NO.	: 141947
REFERRED BY	:	DATE OF COLLECTION	: 09-10-2021 at 09:24 AM
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 09-10-2021 at 01:44 PM



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

### IMMUNOASSAY

#### THYROID PROFILE

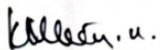
TOTAL TRIIODOTHYRONINE (T3) <small>CMIA</small>	1.36 ng/mL	0.87 - 1.78 ng/mL
TOTAL THYROXINE (T4) <small>CMIA</small>	11.22 µg/dL	6.09 - 12.23 µg/dL
THYROID STIMULATING HORMONE (TSH) <small>CMIA</small>	1.886 µIU/mL	0.38 - 5.33 µIU/mL 1st Trimester: 0.05 - 3.70 2nd Trimester: 0.31 - 4.35 3rd Trimester: 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

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.



Lab Seal



**Dr. VAMSEEDHAR.A**

D.C.P, M.D  
CONSULTANT PATHOLOGIST

