



UHID : OP:2024/002781  
 Name : Mr. KUMAR GAURAV Age : 39 Y , Sex - M  
 Patient Type : Normal Aadhaar No: 389058161875  
 Bill Date : 08/06/2024  
 Referred By. : MEDICINE DEPT.,  
 Collection Date/Time : 08/06/2024 1:00:00 AM Lab Refno : LB:2024/005527  
 Reporting Date/Time : 08/06/2024 6:03:18 PM

## HAEMATOLOGY Report

Test Description	Result	Unit	Biological Reference Interval
<b>CBC</b>			
<b>HAEMOGLOBIN(HB)</b> Method : CALORIMETRIC /CYNAMETH HAEMOGLOBIN	14.1	gm/dl	(M:13-17) (F:12-15)
<b>RBC COUNT</b> Method : FLOW CYTOMETRY	4.77*	million/cumm	(M) 4.5 - 5.5 (F) 3.8 - 4.8 (AT BIRTH) 5 - 7 ( 1 YR) 3.9 - 5.1 (2 - 12 YR) 4.0 - 5.2
<b>HCT</b> Method : CALCULATED	<b>40.6</b>	%	M :45 - 5% F: 41 - 5%
<b>MCV</b> Method : AUTOMATED ELECTRICAL RESISTANCE IMPEDANCE/ MANUAL	85.1	fl	83-101 fl
<b>MCH</b> Method : AUTOMATED ELECTRICAL RESISTANCE IMPEDANCE/ MANUAL	29.7	pg	27-32 pg
<b>MCHC</b> Method : AUTOMATED ELECTRICAL RESISTANCE IMPEDANCE/ MANUAL	<b>34.9</b>	gm/dl	31.5 - 34.5 gm
<b>TOTAL LEUKOCYTE COUNT (TLC) (1390)</b> Method : AUTOMATED ELECTRICAL RESISTANCE IMPEDANCE/ MANUAL Sample Type : Whole Blood (K2 EDTA WB)			
TOTAL LEUKOCYTE COUNT (TLC)	9300	/cmm	Adult (4000-10000) At birth (10000-26000) 1 Year (6000-16000) 2-7 years (6000-15000) 6-12Years (5000-13500)
<b>DIFFERENTIAL LEUCOCYTE COUNT (DLC)</b> Method : MANUAL / MICROSCOPIC Sample Type : Whole Blood (K2 EDTA WB)			
POLYMORPHS	56	%	40-70



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LYMPHOCYTES	34	%	20-40
MONOCYTES	03	%	2-10
EOSINOPHILS	<b>07</b>	%	1-6
BASOPHILS	00	%	1-2
<b>PLATELET COUNT</b>	2,50,000	/cumm	1.5 - 4.5 Lacs New Born 1 - 4.50 Lacs
Method : AUTOMATED ELECTRICAL RESISTANCE IMPEDANCE/ MANUAL Sample Type : Whole Blood (K2 EDTA WB)			
<b>MEDIWHEEL FULL BODY HEALTH PLUS CHECK-UP</b>			
<b>ESR - WINTROBE</b>			
Sample Type : Whole Blood (K2 EDTA WB)			
ESR (WHOLE BLOOD)	17 MM		(M) 0 -10 (F) 0 - 20

Machines Used: HAEMAT ANALYSER, Mindray BC 5150

Checked By: Shashank Srivastava



\* Indicates Critical Values. ■ Indicates Out of TAT.

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 Reporting Date/Time : 08/06/2024 6:04:36 PM

### BIO - CHEMISTRY Report

Test Description	Result	Unit	Biological Reference Interval
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#### LFT (PROFILE)

##### **BILIRUBIN (TOTAL)**

Method : JENDRASSIK MODIFIED METHOD

Sample Type : SERUM

0.75 mg/dl Upto 1.0

##### **BILIRUBIN DIRECT**

Method : JENDRASSIK MODIFIED METHOD

Sample Type : SERUM

0.23 mg/dl Upto 0.25

##### **BILIRUBIN INDIRECT**

Method : JENDRASSIK MODIFIED METHOD

BILIRUBIN INDIRECT (SERUM)

0.52 mg/dl 0.2 - 0.8

##### **SGPT (ALT)**

Method : IFCC METHOD

Sample Type : SERUM

SGPT

37.0 IU/L Upto 49

##### **SGOT (AST)**

Method : IFCC METHOD

Sample Type : SERUM

SGOT

22.0 IU/L Men - Upto 46  
Women - Upto 40

##### **ALKALINE PHOSPHATASE (ALP)**

Method : UV KINETIC

Sample Type : SERUM

ALKALINE PHOSPHATASE

168.0 U/L ADULT(>15Years) : 110-310 U/L  
CHILD(<15Years) : 270-810 U/L

##### **PROTEIN(TOTAL)**

Method : Biuret method

Sample Type : SERUM

PROTEIN(TOTAL)\*

8.7 gm/dl 6.0 - 8.5

##### **ALBUMIN(1461)**

Method : BROMOCRESOL METHOD

Sample Type : SERUM

ALBUMIN

5.1 gm/dl 3.2 - 5.5

#### LIPID (PROFILE)

##### **CHOLESTROL(TOTAL) (SERUM)**

Method : ENZYMATIC METHOD

Sample Type : SERUM

CHOLESTROL(TOTAL)

218.7 mg/dl Normal < 200  
Borderline high 200 - 239  
High >240

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### BIO - CHEMISTRY Report

Test Description	Result	Unit	Biological Reference Inte
<b>HDL (SERUM)</b> Method : DIRECT HOMOGENOUS METHOD Sample Type : SERUM	62.0	mg/dl	Men - 35 - 55 Women - 45 - 65
<b>LDL (SERUM)</b> Method : DIRECT HOMOGENOUS METHOD Sample Type : SERUM	114.0	mg/dl	<100
<b>VLDL (SERUM)</b> Method : CALCULATED Sample Type : SERUM			
VLDL (SERUM)*	42.0	mg/dl	10-40 mg/dl
<b>TRIGLYCERIDES (SERUM)</b> Method : ENZYMATIC METHOD Sample Type : SERUM			
TRIGLYCERIDES	210.0	mg/dl	Upto 170

**Machines Used:** AUTO - ANALYSER OPTIMA - 1, HDC  
Lyte Semi Autometed, SEMI AUTO - ANALYZER  
**Checked By:** Shweta Awasthi



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### BIO - CHEMISTRY Report

Test Description	Result	Unit	Biological Reference Interval
<b>RFT (PROFILE)</b>			
<b>BUN (BLOOD UREA NITROGEN)</b>			
Method : UV KINETIC Sample Type : SERUM			
BUN	15.0	mg/dl	6 - 21
<b>CREATININE</b>	1.12	mg/dl	0.5 - 1.4
Method : JAFFE KINETIC METHOD Sample Type : SERUM			
<b>SODIUM (NA+)</b>			
Method : I.S.E. Sample Type : SERUM			
SODIUM (NA+)	139.1	mmol/L	136 - 146
<b>POTASSIUM (K+)</b>	4.81	mmol/L	3.5 - 5.5
Method : I.S.E. Sample Type : SERUM			

Machines Used: MINDARY BS-240 PRO, HDC-LYTE

Checked By: SHASHANK SRIVASTAVA



DR. ANITA KATARA PANDEY  
MB, PATHOLOGY

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### BIO - CHEMISTRY Report

Test Description	Result	Unit	Biological Reference Interval
<b>BLOOD SUGAR FASTING</b> Method : GOD-POD METHOD Sample Type : Flouride Plasma BLOOD SUGAR FASTING	100.0	mg/dl	70-110

Machines Used: MINDRAY 240 PRO FULLY  
AUTOMETED  
Checked By: Shweta Awasthi

  
DR. ANKITA KATARIA PANDEY  
MBBS, MD PATHOLOGY



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### BIO - CHEMISTRY Report

Test Name	Results	Units	Bio.Ref.Interval
<b>HbA1c</b> (Glycosylated Hemoglobin)	5.6	%	Blood @ (HPLC)
<b>Interpretation</b> As per American Diabetes Association (ADA)			
<b>Reference Group</b>	<b>HbA1c in %</b>		
Non diabetic adults >=18 years	4.0 - 6.0		
At risk	>=6.0 to <= 6.5		
Diagnosing Diabetes	> 6.5		
Therapeutic goals for glycemic Control	Age > 19 years Goal of therapy: <7.0 Action suggested: >8.0		
	Age < 19 years Goal of therapy: <7.5		
<b>Note:</b> 1.Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly			



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### BIO - CHEMISTRY Report

controlled.

2.Target goals of <7.0% may be beneficial in patients with short

duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications

of diabetes, limited life expectancy or extensive co-morbid conditions

targeting a goal of <7.0% may not be appropriate.

#### Comments

HbA1c provides an index of average blood glucose levels over the past

8-12 weeks and is a much better indicator of long term glycemic control.

as compared to blood and urinary glucose determinations.

**ADA criteria for correlation between HbA1c & Mean plasma glucose levels**

HbA1c (%)	Mean Plasma Glucose (mg/dl)
6	126
7	154
8	183
9	212
10	240
11	269
12	298

**Machines Used:** AUTO - ANALYSER OPTIMA - 1

**Checked By:** Shashank Srivastava



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### HORMONE Report

Sl.No.	Test	Result	Reference Values
THYROID PROFILE ( TOTAL T3, T4 & TSH)			
Sample Type : Serum			
1.	TOTAL T3 (TRIIODOTYRONINE)	1.03	0.92-2.33 nmol/l
2.	TOTAL T4 (TYROXINE)	69.84	60-120 nmol/l
3.	TSH (THYROID STIMULATING HORMONE)	1.54	Euthyroid 0.25-5 uIU/ml Hyperthyroid <0.15 uIU/ml Hypothyroid >7.0 uIU/m

**Comments: INTERPRETATION (AS PER KIT INSERT)**  
Serum T3, T4 & TSH measurements from three components of Thyroid screening panel, useful in diagnosing various disorders of Gland function.

Thyroid

1. Primary HypoThyroidism is accompanied by depressed serum T values and elevated serum TSH level 3 & T4
2. Primary Hyper Thyroidism is accompanied by elevated serum T levels along with depressed TSH values 3 & T4
3. Normal T4 levels are accompanied by increased T3 in patient T3 Thyrotoxicosis with
4. Slightly elevated T3 levels may be found in pregnancy and estherapy, while depressed levels may be encountered in severe illness, renal failure and during therapy with drugs like propranopropylthiouracillol and
5. Although elevated TSH levels are nearly always indicative of phythyroidism, and may be seen in second dary thyrotoxicosis.

REMARKS: Normal/Reference ranges given are as per kit literature. Ccorrelation is advised. Clinical

Note:- Maximum reading in our instrument is 100. In case of reading greater than 100, instrument given result with greater than (>) sign.

Machines Used: MINI VIDAS  
Checked By: Shweta Awasthi



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### CLINICAL PATHOLOGY Report

**Sample Type : Urine**

<u>TEST</u>	<u>VALUE</u>	<u>UNIT</u>	<u>NORMAL VALUE</u>
<b>PHYSICAL EXAMINATION</b>			
APPEARANCE	CLEAR		CLEAR
COLOUR	LIGHT YELLOW		PALE
PH	6.0 (ACIDIC)		4.8-7.4
SPECIFIC GRAVITY	1.015		1.010-1.022
<b>CHEMICAL EXAMINATION</b>			
ALBUMIN	NIL		NEGATIVE
GLUCOSE	NIL		NEGATIVE
BLOOD	NIL		NEGATIVE
LEUCOCYTE ESTERASE	NIL		NEGATIVE
NITRITE	NIL		NEGATIVE
<b>MICROSCOPIC EXAMINATION</b>			
RBCs	NIL	/HPF	0-5
DYSMORPHIC RBCs	ABSENT		
PUS CELLS	NIL	/HPF	0-5
EPITHELIAL CELLS	NIL	/HPF	<5
CASTS	NIL	ABS	
CRYSTALS	NIL	ABS	
BACTERIA	NIL	ABS	
OTHERS	NIL		

**Checked By:** Shashank Srivastava

