

CID : 2204331860 Name : MR.PRASHANT SANWARIYA Age / Gender : 31 Years / Male Consulting Dr. : -Reg. Location : Malad West (Main Centre) Authenticity Check

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Use a QR Code Scanner Application To Scan the Code Collected :12-Feb-2022 / 09:24 Reported :12-Feb-2022 / 13:09

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>CBC (Complete Blood Count), Blood</u>			
PARAMETER	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	13.0	13.0-17.0 g/dL	Spectrophotometric
RBC	4.61	4.5-5.5 mil/cmm	Elect. Impedance
PCV	38.2	40-50 %	Measured
MCV	82.7	80-100 fl	Calculated
MCH	28.2	27-32 pg	Calculated
MCHC	34.1	31.5-34.5 g/dL	Calculated
RDW	15.2	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	8320	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND	ABSOLUTE COUNTS		
Lymphocytes	33.7	20-40 %	
Absolute Lymphocytes	2790	1000-3000 /cmm	Calculated
Monocytes	6.3	2-10 %	
Absolute Monocytes	520	200-1000 /cmm	Calculated
Neutrophils	53.2	40-80 %	
Absolute Neutrophils	4420	2000-7000 /cmm	Calculated
Eosinophils	5.9	1-6 %	
Absolute Eosinophils	490	20-500 /cmm	Calculated
Basophils	0.9	0.1-2 %	
Absolute Basophils	70	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

<u>PLATELET PARAMETERS</u>			
Platelet Count	316000	150000-400000 /cmm	Elect. Impedance
MPV	9.7	6-11 fl	Calculated
PDW	17.3	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

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ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343

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CID	: 2204331860				Ρ
Name	: MR.PRASHAN	T SANWARIYA			0
Age / Gender	: 31 Years / Ma	ale		Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr. Reg. Location	: - :Malad West(Main Centre)	Collected Reported	: 12-Feb-2022 / 09:24 :12-Feb-2022 / 11:57	т
Macrocytosis					
Anisocytosis		-			
Poikilocytosis		-			
Polychromasia		-			
Target Cells		-			
Basophilic Stipp	oling	-			
Normoblasts		-			
Others		Normocytic,Normochromic			
WBC MORPHO	DLOGY	-			
PLATELET MO	RPHOLOGY				
COMMENT		-			

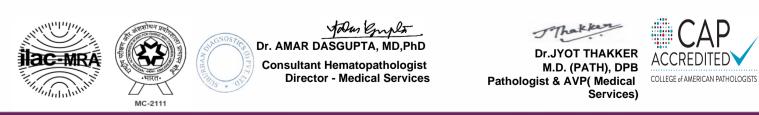
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Westergren

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Specimen: EDTA Whole Blood

ESR, EDTA WB 7 2-15 mm at 1 hr. *Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West *** End Of Report ***



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E P O R T

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CID	: 2204331860
Name	: MR.PRASHANT SANWARIYA
Age / Gender	: 31 Years / Male
Consulting Dr. Reg. Location	: - :Malad West (Main Centre)

Use a QR Code Scanner Application To Scan the Code : 12-Feb-2022 / 09:24

Collected

Reported

:12-Feb-2022 / 12:00

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE			
PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	101.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	124.1	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.37	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.16	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.21	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.5	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.8	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.7	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.8	1 - 2	Calculated
SGOT (AST), Serum	43.6	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	93.9	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	57.9	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	57.1	40-130 U/L	Colorimetric
BLOOD UREA, Serum	19.7	12.8-42.8 mg/dl	Kinetic
BUN, Serum	9.2	6-20 mg/dl	Calculated
CREATININE, Serum	0.83	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	115	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	9.1	3.5-7.2 mg/dl	Enzymatic

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Name	: MR.PRAS	HANT SANWARIYA				0
Age / Gender	: 31 Years	/ Male			Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr.	: -		C	Collected	:12-Feb-2022 / 13:10	
Reg. Location	: Malad We	est (Main Centre)	F	Reported	:12-Feb-2022 / 16:42	т
Urine Sugar (Fa	asting)	Absent	Absent			
Urine Ketones	(Fasting)	Absent	Absent			

Absent	Absent
Absent	Absent
Absent	Absent
	Absent

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West *** End Of Report ***





Anto

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Dr.ANUPA DIXIT M.D.(PATH) Consultant Pathologist & Lab Director

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METHOD

Calculated

HPLC



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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE GLYCOSYLATED HEMOGLOBIN (HbA1c) **BIOLOGICAL REF RANGE**

mg/dl

Non-Diabetic Level: < 5.7 %

Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %

PARAMETER

Glycosylated Hemoglobin

(HbA1c), EDTA WB - CC

6.5

RESULTS

Estimated Average Glucose 139.9 (eAG), EDTA WB - CC

Intended use:

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

Clinical Significance:

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

Test Interpretation:

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

Factors affecting HbA1c results:

Increased in: High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

Decreased in: Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

References: ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West *** End Of Report ***





Dr.JYOT THAKKER M.D. (PATH), DPB Pathologist & AVP(Medical Services)

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Consulting Dr. Reg. Location	: - : Malad West (Main Centre)

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	7.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	30	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATION			
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	0-1		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	3-4	Less than 20/hpf	
Others	-		

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West *** End Of Report **





Shashi-D

Dr.SHASHIKANT DIGHADE M.D. (PATH) Pathologist

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Name	: MR.PRASHANT SANWARIYA
Age / Gender	: 31 Years / Male
Consulting Dr. Reg. Location	: - :Malad West (Main Centre)

Application To Scan the Code Collected :12-Feb-2022 / 09:24 Reported :12-Feb-2022 / 13:12

Use a OR Code Scanner

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE BLOOD GROUPING & Rh TYPING

PARAMETER

<u>RESULTS</u>

ABO GROUP AB Rh TYPING POSITIVE

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

Specimen: EDTA Whole Blood and/or serum

Clinical significance:

ABO system is most important of all blood group in transfusion medicine

Limitations:

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

Refernces:

- 1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
- 2. AABB technical manual

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

*** End Of Report **



M. Jain

Dr.MILLU JAIN M.D.(PATH) Pathologist

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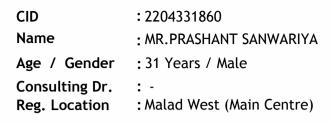
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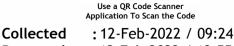
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Reported

:12-Feb-2022 / 09.24

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	235.2	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	179.7	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	31.6	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	203.6	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/d High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	168.0	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	35.6	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	7.4	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	5.3	0-3.5 Ratio	Calculated
*Sample processed at SUBURBAN DIA	AGNOSTICS (INDIA) PVT. LTD CP	L. Andheri West	

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Age / Gender	: 31 Years / Male
Consulting Dr. Reg. Location	: - : Malad West (Main Centre)



AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	5.3	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.2	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	1.50	0.35-5.5 microIU/ml	ECLIA

Interpretation:

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

Clinical Significance:

1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.

2)TSH values may be trasiently altered becuase of non thyroidal illness like severe infections, liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non- thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism.
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.
High	High	High High Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blog epileptics.	

Diurnal Variation:TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

Reflex Tests: Anti thyroid Antibodies, USG Thyroid , TSH receptor Antibody. Thyroglobulin, Calcitonin

Limitations: Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.

Reference:

1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)

2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357

3. Tietz, Text Book of Clinical Chemistry and Molecular Biology -5th Edition

4.Biological Variation: From principles to Practice-Callum G Fraser (AACC Press)

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West *** End Of Report ***



Anto

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