

CID	: 2206007283
Name	: MRS.SUJATA CHHABU MORE
Age / Gender	: 38 Years / Female
Consulting Dr.	: -
Reg. Location	: G B Road, Thane West (Main Centre)



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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

	<u>CBC (Complet</u>	<u>e Blood Count), Blood</u>	
<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	12.9	12.0-15.0 g/dL	Spectrophotometric
RBC	4.21	3.8-4.8 mil/cmm	Elect. Impedance
PCV	38.0	36-46 %	Measured
MCV	90	80-100 fl	Calculated
MCH	30.7	27-32 pg	Calculated
MCHC	34.0	31.5-34.5 g/dL	Calculated
RDW	13.8	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	7800	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND	ABSOLUTE COUNTS		
Lymphocytes	36.5	20-40 %	
Absolute Lymphocytes	2847.0	1000-3000 /cmm	Calculated
Monocytes	7.8	2-10 %	
Absolute Monocytes	608.4	200-1000 /cmm	Calculated
Neutrophils	53.2	40-80 %	
Absolute Neutrophils	4149.6	2000-7000 /cmm	Calculated
Eosinophils	2.5	1-6 %	
Absolute Eosinophils	195.0	20-500 /cmm	Calculated
Basophils	0.0	0.1-2 %	
Absolute Basophils	0.0	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

<u>PLATELET PARAMETERS</u>			
Platelet Count	230000	150000-400000 /cmm	Elect. Impedance
MPV	9.2	6-11 fl	Calculated
PDW	16.3	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

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Macrocytosis	-		
Anisocytosis	-		
Poikilocytosis	-		
Polychromasia	-		
Target Cells	-		
Basophilic Stippling	-		
Normoblasts	-		
Others	Normocytic,Normochromic		
WBC MORPHOLOGY	-		
PLATELET MORPHOLOGY			
COMMENT			
Specimen: EDTA Whole Blood			
ESR, EDTA WB	42	2-20 mm at 1 hr.	Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West *** End Of Report ***



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Dr.AMIT TAORI M.D (Path) Pathologist

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE				
PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>	
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	95.4	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase	
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	113.1	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase	
BILIRUBIN (TOTAL), Serum	0.34	0.1-1.2 mg/dl	Diazo	
BILIRUBIN (DIRECT), Serum	0.21	0-0.3 mg/dl	Diazo	
BILIRUBIN (INDIRECT), Serum	0.13	0.1-1.0 mg/dl	Calculated	
TOTAL PROTEINS, Serum	7.5	6.4-8.3 g/dL	Biuret	
ALBUMIN, Serum	4.4	3.5-5.2 g/dL	BCG	
GLOBULIN, Serum	3.1	2.3-3.5 g/dL	Calculated	
A/G RATIO, Serum	1.4	1 - 2	Calculated	
SGOT (AST), Serum	16.1	5-32 U/L	IFCC without pyridoxal phosphate activation	
SGPT (ALT), Serum	19.1	5-33 U/L	IFCC without pyridoxal phosphate activation	
GAMMA GT, Serum	21.2	3-40 U/L	IFCC	
ALKALINE PHOSPHATASE, Serum	85.8	35-105 U/L	PNPP	
BLOOD UREA, Serum	13.4	12.8-42.8 mg/dl	Urease & GLDH	
BUN, Serum	6.3	6-20 mg/dl	Calculated	
CREATININE, Serum eGFR, Serum	0.55 131	0.51-0.95 mg/dl >60 ml/min/1.73sqm	Enzymatic Calculated	

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Urine Sugar (PP)

Urine Ketones (PP)

DIAGNOSTI PRECISE TESTING-HEAL	C S				E
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Consulting Dr.	: -		Collected	:01-Mar-2022 / 14:56	
Reg. Location	: G B Road, T	hane West (Main Centre)	Reported	:01-Mar-2022 / 15:56	т
URIC ACID, Se	rum	4.4	2.4-5.7 mg/dl	Uricase	
Urine Sugar (Fa	asting)	Absent	Absent		
Urine Ketones ((Fasting)	Absent	Absent		

*** End Of Report ***

Absent

Absent

Absent

Absent

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West



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Dr.AMIT TAORI M.D (Path) Pathologist

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:01-Mar-2022 / 10:53 :01-Mar-2022 / 17:06

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

Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.6	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	114.0	mg/dl	Calculated

Intended use:

PARAMETER

- 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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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE EXAMINATION OF FAECES

EXAMINATION OF FAECES		
PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE
PHYSICAL EXAMINATION		
Colour	Brown	Brown
Form and Consistency	Semi Solid	Semi Solid
Mucus	Absent	Absent
Blood	Absent	Absent
CHEMICAL EXAMINATION		
Reaction (pH)	Acidic (6.0)	-
Occult Blood	Absent	Absent
MICROSCOPIC EXAMINATIO	<u>N</u>	
Protozoa	Absent	Absent
Flagellates	Absent	Absent
Ciliates	Absent	Absent
Parasites	Absent	Absent
Macrophages	Absent	Absent
Mucus Strands	Absent	Absent
Fat Globules	Absent	Absent
RBC/hpf	Absent	Absent
WBC/hpf	Absent	Absent
Yeast Cells	Absent	Absent
Undigested Particles	Present +	-
Concentration Method (for ova)	No ova detected	Absent
Reducing Substances	-	Absent

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>			
PHYSICAL EXAMINATION						
Color	Pale yellow	Pale Yellow	-			
Reaction (pH)	Acidic (6.0)	4.5 - 8.0	Chemical Indicator			
Specific Gravity	1.015	1.010-1.030	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	<u>N</u>					
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf				
Red Blood Cells / hpf	Absent	0-2/hpf				
Epithelial Cells / hpf	2-3					
Casts	Absent	Absent				
Crystals	Absent	Absent				
Amorphous debris	Absent	Absent				
Bacteria / hpf	3-4	Less than 20/hpf				

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

PARAMETER

RESULTS

ABO GROUP 0 **Rh TYPING** Positive

NOTE: Test performed by Semi- automated column agglutination technology (CAT)

Note : This Sample has also been tested for Bombay group/Bombay phenotype /Oh using anti-H lectin.

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:

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

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Consulting Dr. Reg. Location	: - :G B Road, Thane West (Main Centre)



:01-Mar-2022 / 12:25

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	136.0	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	67.3	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	GPO-POD
HDL CHOLESTEROL, Serum	36.7	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	99.3	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	86.0	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	Homogeneous enzymatic colorimetric assay
VLDL CHOLESTEROL, Serum	13.3	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.7	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.3	0-3.5 Ratio	Calculated
*Sample processed at SUBUPBAN DI		Pood Lob Thong Wost	

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Name

Age / Gender

Consulting Dr.

Reg. Location

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: G B Road, Thane West (Main Centre)	Reported	:01-Mar-2022 / 12:00	т

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS			
PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	4.6	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	13.9	11.5-22.7 pmol/L First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59	ECLIA
sensitiveTSH, Serum	3.23	0.35-5.5 microIU/ml First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0	ECLIA

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ECISE TESTING · HEAD				E
CID	: 2206007283			Ρ
Name	: MRS.SUJATA CHHABU MORE			0
Age / Gender	: 38 Years / Female		Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr.	: -	Collected	:01-Mar-2022 / 10:53	
Reg. Location	: G B Road, Thane West (Main Centre)	Reported	:01-Mar-2022 / 12:00	т

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	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti 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 G B Road Lab, Thane West

*** End Of Report ***



Dr.AMIT TAORI M.D (Path) Pathologist

Authenticity Check

D

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