

Referral : SELF

Sample ID :

Collection Time : Mar 25, 2023, 11:52 a.m.

Reporting Time : Mar 25, 2023, 02:22 p.m.



			668427996	
Test Description	Value(s)	Reference Range	Unit	
CBC; Complete Blood Count				
Hemoglobin (Hb)*	13.5	13.5 - 18.0	gm/dL	
Method : Cynmeth Photometric Measurement				
Erythrocyte (RBC) Count*	4.92	4.7 - 6.0	mil/cu.mm	
Method : Electrical Impedence				
Packed Cell Volume (PCV)*	42.7	42 - 52	%	
Method : Calculated				
Mean Cell Volume (MCV)*	86.79	78 - 100	fL	
Method : Electrical Impedence				
Mean Cell Haemoglobin (MCH)*	27.44	27 - 31	pg	
Method : Calculated				
Mean Corpuscular Hb Concn. (MCHC)*	31.62	32 - 36	gm/dL	
Method : Calculated				
Red Cell Distribution Width (RDW)*	12.9	11.5 - 14.0	%	
Method : Electrical Impedence				
Total Leucocytes (WBC) Count*	11100	4000-10000	cell/cu.mm	
Method : Electrical Impedence				
Neutrophils*	52	40 - 80	%	
Method : VCSn Technology				
Lymphocytes*	43	20 - 40	%	
Method : VCSn Technology				
Monocytes*	4	2 - 10	%	
Method : VCSn Technology				
Eosinophils*	1	1 - 6	%	
Method : VCSn Technology				
Basophils	0	0 - 1		
Platelet Count*	3.49	1.5 - 4.5	10^3/ul	
Method : Electrical Impedence				
Mean Platelet Volume (MPV)*	6.4	7.2 - 11.7	fL	
Method : Electrical Impedence				

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Patient Name : MR. CH. SRINIVAS Age / Gender : 32 years / Male

Patient ID: 19005

Source : MEDI WHEEL

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Test Description	Value(s)	Reference Range	Unit
PCT*	0.225	0.2 - 0.5	%
Method : Calculated PDW*	12.8	9.0 - 17.0	%
Method : Calculated	12.0	9.0 - 17.0	70

Tests done on Automated Three Part Cell Counter. (WBC, RBC, Platelet count by impedance method, colorimetric method for Hemoglobin, WBC differential by flow cytometry using laser technology other parameters are calculated). All Abnormal Haemograms are reviewed confirmed microscopically.

Esr, Erythrocyte Sedimentation Rate			
Esr, Erythrocyte Sedimentation Rate (Westergren)	35	0-10	mm/hr
Interpretation:			

- It indicates presence and intensity of an inflammatory process. It does not diagnose a specific disease. Changes in the ESR are more significant than the abnormal results of a single test.
- It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, bacterial endocarditis, acute rheumatic fever, rheumatoid arthritis, SLE, Hodgkins disease, temporal arteritis and polymyalgia rheumatica.
- It is also increased in pregnancy, multiple myeloma, menstruation, and hypothyroidism.

Urine Routine			
Colour*	Yellow		
Volume*	15	-	ml
Transparency (Appearance)*	Clear	Clear	
Reaction (pH)*	5.0	4.5 - 8	
Specific Gravity*	1.030	1.010 - 1.030	
Chemical Examination (Automated Dip	ostick Method) Urine		
Urine Glucose*	Negative	Negative	
Urine Protein*	Negative	Negative	
Urine Ketone*	Negative	Negative	
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Test Description	Value(s)	Reference Range	Unit
Blood*	Negative	Negative	
Bilirubin*	Negative	Negative	
Nitrite*	Negative	Negative	
Leucocytes*	Negative	Negative	
Urobilinogen*	Normal	Normal	
Microscopic Examination Urine			
Pus Cells (WBCs)*	2-3	0 - 5	/hpf
Epithelial Cells*	1-2	0 - 4	/hpf
Red blood Cells*	Absent	Absent	/hpf
Crystals*	Absent	Absent	
Cast*	Absent	Absent	
Bacteria*	Absent	Absent	

Stool Complete Exam

Blood Group & Rh Type

Blood Grouping & Rh Typing

Method : Forward and Reverse By Tube Method

"O" + (POSITIVE)

Methodology

This is done by forward and reverse grouping by tube Agglutination method.

Interpretation

Newborn baby does not produce ABO antibodies until 3 to 6 months of age. So the blood group of the Newborn baby is done by ABO antigen grouping (forward grouping) only, antibody grouping (reverse grouping) is not required.Confirmation of the New-born's blood group is indicatedwhen the A and B antigen expression and the isoagglutinins are fully developed (2–4 years).

Fasting - Glucose

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Test Description	Value(s)	Reference Range	Unit
Glucose Fasting*	112	Normal: 70-100	mg/dL
Method : Plasma, Hexokinase		Impaired Fasting Glucose (IFG):	
		100-125	
		Diabetes Mellitus: >= 126	
		(On more than one occasion) (American Diabetes Association	
		guidelines 2017)	
Post Prandial Blood Sugar			
Blood Glucose-Post Prandial*	253	80-140	mg/dL
Method : Plasma - P, Hexokinase			
Fasting Urine Sugar			
Fasting Urine Sugar	NEGATIVE	NEGATIVE -	
Post Prandial Urine Sugar			
HBA1C (Glycosylated Haemoglobin)			
Glyco Hb (HbA1C)	6.8	Non-Diabetic: <=5.9	%
Method : EDTA Whole blood, HPLC		Pre Diabetic:6.0-6.4	
		Diabetic: >=6.5	
Estimated Average Glucose :	148.46		mg/dL
Interpretations			

1. HbA1C has been endorsed by clinical groups and American Diabetes Association guidelines 2017 for diagnosing diabetes using a cut off point of 6.5%

2. Low glycated haemoglobin in a non diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (especially severe iron deficiency and haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.

3. In known diabetic patients, following values can be considered as a tool for monitoring the glycemic control.

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Value(s)

Excellent control-6-7 % Fair to Good control - 7-8 % Unsatisfactory control - 8 to 10 % Poor Control – More than 10 %

Test Description

Thyroid Function Test (TFT)			
TRI-IODO THYRONINE (T3) Method : CLIA	1.398	0.60 - 1.81	ng/mL
TOTAL THYROXINE (T4) Method : CLIA	9.021	4.2 - 12.0	ug/dL
THYROID STIMULATING HORMONE (TSH) Method : CLIA	1.754	0.46 – 8.10 : 1 Yrs – 5 Yrs 0.36 – 5.80 : 6 Yrs – 18 Yrs 0.35 – 5.50 : >18 Yrs Pregnancy Ranges 1st Trimester :0.1 - 2.5 2nd Trimester :0.2 - 3.0 3rd Trimester:0.3 - 3.0	uIU/mL

Comments:

IF NOT ON DRUGS SUGGESTED FT3 & FT4 ESTIMATION

Please correlate with clinical conditions.

Note : Serum T3, T4 and TSH form the three components of thyroid screening panel, useful in diagnosing various disorders of the thyroid gland. Primary Hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH levels. Although elevated TSH levels are nearly always indicative of Primary Hypothyroidism, rarely they can from TSH secreting pituitary tumors (Secondary hyperthyroidism)To confirm diagnosis - evaluate FT3 and FT4.

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Test Description	Value(s)	Reference Range	Unit
Lipid Profile			
Cholesterol-Total Method : Serum, Cholesterol oxidase esterase, peroxidase	205.73	Desirable: <= 200 Borderline High: 201-239 High: > 239 Ref: The National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.	mg/dL
Triglycerides Method : Serum, Enzymatic, endpoint	195.63	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
Cholesterol-HDL Direct Method : Serum, Direct measure-PEG	34.32	<40: Low 40 - 60: Optimal > 60: Desirable	mg/dL
LDL Cholesterol Method : Serum	132.28	Optimal: < 100 Near optimal/above optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190	mg/dL
Non - HDL Cholesterol, Serum Method : calculated	171.41	Desirable: < 130 mg/dL Borderline High: 130-159mg/dL High: 160-189 mg/dL Very High: > or = 190 mg/dL	mg/dL
VLDL Cholesterol Method : calculated	39.13	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	5.99	3.5 - 5.0	ratio

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Patient Name : MR. CH. SRINIVAS

Age / Gender : 32 years / Male

Patient ID: 19005

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Test Description	Value(s)	Reference Range	Unit	
LDL/HDL RATIO	3.85	Desirable / low risk - 0.5 -3.0	ratio	
Method : calculated		Low/ Moderate risk - 3.0- 6.0		
		Elevated / High risk - > 6.0		
Note: 8-10 hours fasting sample is required.				
KIDNEY FUNCTION TEST				
Urea *	16	15- 50	mg/dL	
Method : Serum	7.40	7.04	<i>(</i> 1	
Blood Urea Nitrogen-BUN*	7.48	7 - 24	mg/dL	
Method : Serum, Urease	E 60		ma/dl	
Uric Acid*	5.62	3.5 - 7.2	mg/dL	
Method : Serum, Uricase/POD Creatinine*	0.7	0.7 - 1.3	mg/dL	
Method : Serum, Jaffe IDMS	0.7	0.7 - 1.5	ing/ac	
Liver Funtion Test (LFT) with GGT				
Bilirubin - Total	1.0	0.3 - 1.2	mg/dL	
Method : Serum, Jendrassik Grof				
Bilirubin - Direct	0.36	Adults and Children: < 0.2	mg/dL	
Method : Serum, Diazotization				
Bilirubin - Indirect	0.64	0.1 - 1.0	mg/dL	
Method : Serum, Calculated				
SGOT	27.35	< 50	U/L	
Method : Serum, UV with P5P, IFCC 37 degree				
SGPT	26.34	< 50	U/L	
Method : Serum, UV with P5P, IFCC 37 degree				
Alkaline Phosphatase-ALP	77	30-120	U/L	
Method : Serum, PNPP, AMP Buffer, IFCC 37 degree				
Total Protein	8.12	6.6 - 8.3	g/dL	
Method : Serum, Biuret, reagent blank end point				



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Test Description	Value(s)	Reference Range	Unit
Albumin	4.28	Adults: 3.5 - 5.2	g/dL
Method : Serum, Bromcresol purple			
Globulin	3.84	1.8 - 3.6	g/dL
Method : Calculated			
A/G Ratio	1.11	1.2 - 2.2	ratio
Method : Calculated			

END OF REPORT

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