

Patient Name : Mr SAHIL JAIN

DOB/Age/Gender : 38 Y/Male Bill Date : Jun 28, 2023, 06:29 PM Patient ID / UHID : 4559742/RCL4014879 Sample Collected : Jun 29, 2023, 08:10 AM Referred By ·Dr Sample Received : Jun 29, 2023, 01:35 PM : Whole blood EDTA Report Date : Jun 29, 2023, 02:47 PM Sample Type

Barcode No : HT728031 Report Status : Final Report

Test Description Value(s) Unit(s) Reference Range

HEMATOLOGY REPORT

MediWheel Basic Plus Health Checkup Package 3

HbA1C (Glycosylated Haemoglobin)

GLYCOSYLATED HEMOGLOBIN (HbA1c) 5.2 % < 5.7

Method : HPLC

ESTIMATED AVERAGE GLUCOSE 102.54 mg/dL

Interpretation:

Interpretation For HbA1c% As per American Diabetes Association (ADA)

Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Age < 19 years Goal of therapy: <7.5

Note:

- 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 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)	HbA1c(%)	Mean Plasma Glucose (mg/dL)
6	126	12	298
8	183	14	355
10	240	16	413



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Barcode No : BT680421 Report Status : Final Report

Test Description Value(s) Unit(s) Reference Range

BIOCHEMISTRY REPORT MediWheel Basic Plus Health Checkup Package 3 TSH 3rd Generation

THYROID STIMULATING HORMONE (Ultrasensitive) 1.2 µIU/mL 0.35 - 4.94

Method: CMIA

Interpretation:

Pregnancy	Reference ranges TSH
1 st Trimester	0.1 - 2.5
2 ed Trimester	0.2 - 3.0
3 rd Trimester	0.3 - 3.0

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.

Primary malfunction of the thyroid gland may result in excessive (hyper) or below normal (hypo) release of T3 or T4. In addition as TSH directly affects thyroid function, malfunction of the pituitary or the hypo - thalamus influences the thyroid gland activity. Disease in any portion of the thyroid-pitutary-hypothala- mus system may influence the levels of T3 and T4 in the blood. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels may be low. In addition, in the Euthyroid Sick Syndrome, multiple alterations in serum thyroid function test findings have been recognized in patients with a wide variety of non-thyroidal illnesses (NTI) without evidence of preexisting thyroid or hypothalami c-pitutary diseases.

Thyroid Binding Globulin (TBG) concentrations remain relatively constant in healthy individuals. However, pregnancy, excess estrogen, androgen, antibiotics, steroids and glucocorticoids are known to alter TBG levels and may cause false thyroid values for Total T3 and T4 tests.



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ABL-M(EL)T-00362

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Test Description Value(s) Unit(s) Reference Range

HEMATOLOGY REPORT MediWheel Basic Plus Health Checkup Package 3 <u>Complete Blood Count (CBC)</u>

RBC PARAMETERS		 ,	
Hemoglobin Method : colorimetric	14.7	g/dL	13.0 - 17.0
RBC Count Method : Electrical impedance	4.9	10^6/µI	4.5 - 5.5
PCV Method : Calculated	43	%	40 - 50
MCV Method : Calculated	88	fl	83 - 101
MCH Method : Calculated	30.1	pg	27 - 32
MCHC Method : Calculated	34.1	g/dL	31.5 - 34.5
RDW (CV) Method : Calculated	12.6	%	11.6 - 14.0
RDW-SD Method : Calculated	50.4	fl	35.1 - 43.9
WBC PARAMETERS			
TLC Method : Electrical impedance and microscopy DIFFERENTIAL LEUCOCYTE COUNT	6.1	10^3/µl	4 - 10
Neutrophils	56.4	%	40-80
Lymphocytes	33.4	%	20-40
Monocytes	5.7	%	2-10
Eosinophils	3.2	%	1-6
Basophils	1.3	%	<2
Absolute leukocyte counts Method : Calculated			
Neutrophils*	3.44	10^3/µl	2 - 7
Lymphocytes*	2.04	10^3/µl	1 - 3
Monocytes*	0.35	10^3/µl	0.2 - 1.0
Eosinophils*	0.2	10^3/µl	0.02 - 0.5
Basophils*	0.08	10^3/µl	0.02 - 0.5
PLATELET PARAMETERS			
Platelet Count Method : Electrical impedance and microscopy	218	10^3/µl	150 - 410
Mean Platelet Volume (MPV)	10.2	fL	9.3 - 12.1



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Test Description	Value(s)	Unit(s)	Reference Range
Method : Calculated			
PCT Method : Calculated	0.2	%	0.17 - 0.32
PDW Method : Calculated	18.1	fL	8.3 - 25.0
P-LCR Method : Calculated	36.5	%	18 - 50
P-LCC Method : Calculated	80	%	44 - 140
Mentzer Index Method : Calculated	17.96	%	

Sample Received

Interpretation:

CBC provides information about red cells, white cells and platelets. Results are useful in the diagnosis of anemia, infections, leukemias, clotting disorders and many other medical conditions.



Dr. Meenakshyee Joshi M.D. Pathology



: Jun 29, 2023, 01:35 PM

NABL

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Sample Received

BIOCHEMISTRY REPORT MediWheel Basic Plus Health Checkup Package 3 <u>Liver Function Test (LFT)</u>

			
BILIRUBIN TOTAL Method : Photometric	0.6	mg/dL	0.2 - 1.2
BILIRUBIN DIRECT Method: Diazo Reaction	0.2	mg/dL	0.0 - 0.5
BILIRUBIN INDIRECT	0.4	mg/dL	0.1 - 1.0
Method : Calculation (T Bil - D Bil) SGOT/AST	36	U/L	5 - 34
Method : IFCC without P5P SGPT/ALT Method : IFCC without P5P	76	U/L	0 to 55
SGOT/SGPT Ratio	0.47	-	-
ALKALINE PHOSPHATASE Method : IFCC	100	U/L	40 - 150
TOTAL PROTEIN Method : Biuret	7.4	g/dL	6.4 - 8.3
ALBUMIN Method : BCG	4.4	gm/dL	3.8 - 5.0
GLOBULIN Method : Calculation (T.P - Albumin)	3	g/dL	2.3 - 3.5
ALBUMIN : GLOBULIN RATIO Method : Calculation (Albumin/Globulin)	1.47	-	1.0 - 2.1
GAMMA GLUTAMYL TRANSFERASE (GGT) Method : Photometric	22	U/L	12 - 64

Result Rechecked As Per Protocol, Please Correlate Clinically

Interpretation:

The liver filters and processes blood as it circulates through the body. It metabolizes nutrients, detoxifies harmful substances, makes blood clotting proteins, and performs many other vital functions. The cells in the liver contain proteins called enzymes that drive these chemical reactions. When liver cells are damaged or destroyed, the enzymes in the cells leak out into the blood, where they can be measured by blood tests Liver tests check the blood for two main liver enzymes. Aspartate aminotransferase (AST), SGOT: The AST enzyme is also found in muscles and many other tissues besides the liver. Alanine aminotransferase (ALT), SGPT: ALT almost exclusively found in the liver. If ALT and AST are found together in elevated amounts in the blood, liver damage is most likely present. Alkaline Phosphatase and GGT: Another of the liver's key functions is the production of bile, which helps digest fat. Bile flows through the liver in a system of small tubes (ducts), and is eventually stored in the gallbladder, under the liver. When bile flow is slow or blocked, blood levels of certain liver enzymes rise: Alkaline phosphatase Gamma-utamyl transpeptidase (GGT) Liver tests may check for any or all of these enzymes in the blood. Alkaline phosphatase is by far the most commonly tested of the three. If alkaline phosphatase and GGT are elevated, a problem with bile flow is most likely present. Bile flow problems can be due to a problem in the liver, the gallbladder, or the tubes connecting them. Proteins are important building blocks of all cells and tissues. Proteins are necessary for your body's growth, development, and health. Blood contains two classes of protein, albumin and globulin. Albumin proteins keep fluid from leaking out of blood vessels. Globulin proteins play an important role in your immune system. Low total protein may indicate: 1.bleeding 2.liver disorder 3.malnutrition 4.agammaglobulinemia High Protein levels 'Hyperproteinemia: May be seen in dehydration due to inadequate water intake or to excessive wat



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M(EL)T-00362

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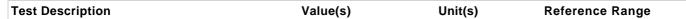
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Sample Type : Serum Report Date : Jun 29, 2023, 02:55 PM

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BIOCHEMISTRY REPORT MediWheel Basic Plus Health Checkup Package 3 Kidney Function Test (KFT)

BLOOD UREA Method : Urease	23	mg/dL	19 - 44.1
CREATININE Method : Photometric	0.8	mg/dL	0.72 - 1.25
BUN * Method : Urease	10.75	mg/dL	8.9 - 20.6
BUN/CREATININE RATIO *	13.44		
UREA / CREATININE RATIO *	28.75		
URIC ACID Method : Uricase	6.6	mg/dL	3.5 - 7.2
CALCIUM Serum Method : Arsenazo III	9.0	mg/dL	8.4 - 10.2
PHOSPHORUS * Method : Photometric	3.9	mg/dL	2.3 - 4.7
SODIUM Method : Potentiometric	138	mmol/L	136 - 145
POTASSIUM Method : Potentiometric	3.9	mmol/L	3.5 - 5.1
CHLORIDE Method : Potentiometric	102	mmol/L	98 - 107

Interpretation:

Kidney function tests is a collective term for a variety of individual tests and proceduresthat can be done toevaluate how well the kidneys are functioning. Many conditions can affect the ability of the kidneys to carryout their vital functions. Somelead to a rapid (acute) decline in kidney functionothers lead to a gradual (chronic) declineinfunction. Both result in a buildup of toxic waste subst done on urine samples, as well as on blood samples. A number of symptoms may indicate a problem with your kidneys. These include: high blood pressure, blood in urine frequent urges to urinate, difficulty beginning urination, painful urination, swelling in the hands and feet due to a buildup of fluids in the body. A single symptom may not mean something serious. However, when occurring simultaneously, these symptoms suggest that your kidneys are not working properly. Kidney function tests can help determine the reason. Electrolytes (sodium, potassium, and chloride) are present in the human body and the balancing act of the electrolytes in our bodies is essential for normal function of our cells and organs. There has to be a balance. Ionized calcium this test if you have signs of kidney or parathyroid disease. The test may also be done to monitor progress and treatment of these diseases.

(*) These Parameter(s) are not recognised by the NABL.



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M(EL)T LABS

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Barcode No : BT680421 Report Status : Final Report

Test Description Value(s) Unit(s) Reference Range

BIOCHEMISTRY REPORT MediWheel Basic Plus Health Checkup Package 3

Lipid Profile

TOTAL CHOLESTEROL Desirable: <200 196 mg/dL Method: Enzymatic - Cholesterol Oxidase Borderline: 200-239 High: >240 Normal: <150 **TRIGLYCERIDES** 194 mg/dL Method: Colorimetric - Lip/Glycerol Kinase Borderline: 150-199 High: 200-499 Very high: >500 HDL CHOLESTEROL 36 >40 mg/dL Method: Accelerator Selective Detergent NON HDL CHOLESTEROL 160 mg/dL <130 Method: Calculated LDL CHOLESTEROL 121.2 mg/dL Optimal <100 Method : Calculated Near optimal/above optimal 100-129 Borderline high 130-159 High 160-189 Very high >190 V.L.D.L CHOLESTEROL 38.8 mg/dL < 30 Method : Calculated CHOL/HDL Ratio 5.44 3.5 - 5.0Method: Calculated HDL/LDL RATIO 0.3 Desirable: 0.5 - 3.0 Method: Calculated Borderline: 3.1 - 6.0 High: > 6.0

Method: Calculated **Interpretation:**

LDL/HDL Ratio

Lipid level assessments must be made following 9 to 12 hours of fasting, otherwise assay results might lead to erroneous interpretation. NCEP recommends of 3 different samples to be drawn at intervals of 1 week

NATIONAL LIPID ASSOCIATION RECOMMENDATIONS (NLA-2014)	TOTAL CHOLESTEROL in mg/dL	TRIGLYCERIDE in mg/dL	LDL CHOLESTEROL in mg/dL	NON HDL CHOLESTEROL in mg/dL
Optimal	<200	<150	<100	<130
Above Optimal			100-129	130 - 159
Borderline High	200-239	150-199	130-159	160 - 189
High	>=240	200-499	160-189	190 - 219
Very High	-	>=500	>=190	>=220

3.37

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Dr. Meenakshyee Joshi M.D. Pathology





NABL

T(LA)M

ABL-M(EL)T-00362

Patient Name : Mr SAHIL JAIN

: Spot Urine

 DOB/Age/Gender
 : 38 Y/Male
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 : Jun 29, 2023, 08:10 AM

 Referred By
 : Dr.
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Report Date : Jun 29, 2023, 04:01 PM

Barcode No : CI385967 Report Status : Final Report

Test Description Value(s) Unit(s) Reference Range

CLINICAL PATHOLOGY REPORT MediWheel Basic Plus Health Checkup Package 3 <u>Urine Routine and Microscopic Examination</u>

PHYSICAL EXAMINATON *

Sample Type

Volume *	20	ml	
Colour *	Pale yellow		Pale yellow
Transparency *	Clear		Clear
Deposit *	Absent		Absent
CHEMICAL EXAMINATION *			
Reaction (pH) Method : Double Indicator	5.0		4.5 - 8.0
Specific Gravity Method : Ion Exchange	1.030		1.010 - 1.030
Urine Glucose (sugar) * Method : Oxidase / Peroxidase	Negative		Negative
Urine Protein (Albumin) Method : Acid / Base Colour Exchange	Negative		Negative
Urine Ketones (Acetone) Method : Legals Test	Negative		Negative
Blood Method : Peroxidase Hemoglobin	Negative		Negative
Leucocyte esterase Method : Enzymatic Reaction	Negative		Negative
Bilirubin Urine Method : Coupling reaction	Negative		Negative
Nitrite Method : Griless Test	Negative		Negative
Urobilinogen Method : Ehrlichs Test	Normal		Normal
MICROSCOPIC EXAMINATION * Method : Microscopy			
Pus Cells (WBCs) *	3-4	/hpf	0 - 5
Epithelial Cells *	1-2	/hpf	0 - 4
Red blood Cells *	Absent	/hpf	Absent
Crystals *	Absent		Absent
Cast *	Absent		Absent
Yeast Cells *	Absent		Absent
Amorphous deposits *	Absent		Absent
Bacteria *	Absent		Absent

Absent

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Protozoa *

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Booking Centre: - MediWheel, F-703, Road, Bandalo Wala Mohalla, Lado Sarai, New Delhi, Delhi 110030 Processing Lab: - Redcliffe Lifetech Pvt. Ltd., 1st Floor Block No-B-2/9, Chittrakoot, Gandhi Path, Vaishali Nagar, Jaipur-302021





Absent



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- 2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.
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