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CID	: 2317209024		
Name	: MR.KISHOR BENDORI		
Age / Gender	: 60 Years / Male		
Consulting Dr.	: -	**Collected**	: 21-Jun-2023 / 08:04
Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 11:10

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	14.3	13.0-17.0 g/dL	Spectrophotometric
RBC	5.23	4.5-5.5 mil/cmm	Elect. Impedance
PCV	43.3	40-50 %	Calculated
MCV	82.6	81-101 fl	Measured
MCH	27.3	27-32 pg	Calculated
MCHC	33.0	31.5-34.5 g/dL	Calculated
RDW	13.6	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	5720	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	33.9	20-40 %	
Absolute Lymphocytes	1940	1000-3000 /cmm	Calculated
Monocytes	9.8	2-10 %	
Absolute Monocytes	560	200-1000 /cmm	Calculated
Neutrophils	50.5	40-80 %	
Absolute Neutrophils	2880	2000-7000 /cmm	Calculated
Eosinophils	5.3	1-6 %	
Absolute Eosinophils	300	20-500 /cmm	Calculated
Basophils	0.5	0.1-2 %	
Absolute Basophils	30	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PLATELET PARAMETERS			
Platelet Count	237000	150000-410000 /cmm	Elect. Impedance
MPV	9.1	6-11 fl	Measured
PDW	16.7	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

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Name	: MR.KISHOR BENDORI		
Age / Gender	: 60 Years / Male		
Consulting Dr.	: -	**Collected**	: 21-Jun-2023 / 08:04
Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 11:32

Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic,Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	-

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR	5	2-20 mm at 1 hr.	Sedimentation

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab

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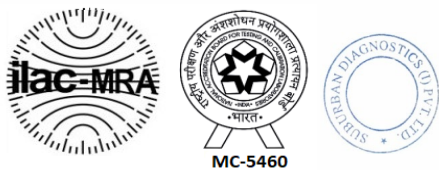**M.D.(PATH)**
Consultant Pathologist & Lab Director

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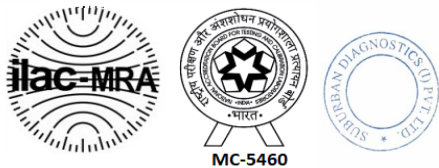
CID	: 2317209024	
Name	: MR.KISHOR BENDORI	
Age / Gender	: 60 Years / Male	
Consulting Dr.	: -	**Collected** : 21-Jun-2023 / 08:04
Reg. Location	: Khar West (Main Centre)	**Reported** : 21-Jun-2023 / 16:31

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	92	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	107	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	
Urine Sugar (PP)	Absent	Absent	
Urine Ketones (PP)	Absent	Absent	

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab
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Dr.ANUPA DIXIT
M.D.(PATH)
Consultant Pathologist & Lab Director

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R E P O R T

CID	: 2317209024
Name	: MR.KISHOR BENDORI
Age / Gender	: 60 Years / Male
Consulting Dr.	: -
Reg. Location	: Khar West (Main Centre)

Collected : 21-Jun-2023 / 08:04
Reported : 21-Jun-2023 / 14:10

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
KIDNEY FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
BLOOD UREA, Serum	45.2	19.29-49.28 mg/dl	Calculated
BUN, Serum	21.1	9.0-23.0 mg/dl	Urease with GLDH
CREATININE, Serum	0.98	0.60-1.10 mg/dl	Enzymatic
eGFR, Serum	83	>60 ml/min/1.73sqm	Calculated

Note: eGFR estimation is calculated using MDRD (Modification of diet in renal disease study group) equation

TOTAL PROTEINS, Serum	6.7	5.7-8.2 g/dL	Biuret
ALBUMIN, Serum	4.2	3.2-4.8 g/dL	BCG
GLOBULIN, Serum	2.5	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
URIC ACID, Serum	5.6	3.7-9.2 mg/dl	Uricase/ Peroxidase
PHOSPHORUS, Serum	3.6	2.4-5.1 mg/dl	Phosphomolybdate
CALCIUM, Serum	8.7	8.7-10.4 mg/dl	Arsenazo
SODIUM, Serum	139	136-145 mmol/l	IMT
POTASSIUM, Serum	4.3	3.5-5.1 mmol/l	IMT
CHLORIDE, Serum	106	98-107 mmol/l	IMT

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab
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Dr.NAMRATA RAUL
M.D (Biochem)
Biochemist

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Age / Gender	: 60 Years / Male		
Consulting Dr.	: -	**Collected**	: 21-Jun-2023 / 08:04
Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 13:03

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.7	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	116.9	mg/dl	Calculated

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

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CID	: 2317209024
Name	: MR.KISHOR BENDORI
Age / Gender	: 60 Years / Male
Consulting Dr.	: -
Reg. Location	: Khar West (Main Centre)

Collected : 21-Jun-2023 / 08:04
Reported : 21-Jun-2023 / 13:18

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
PROSTATE SPECIFIC ANTIGEN (PSA)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
TOTAL PSA, Serum	1.675	<4.0 ng/ml	CLIA

Clinical Significance:
- PSA is detected in the serum of males with normal, benign hyper-plastic, and malignant prostate tissue.
- Monitoring patients with a history of prostate cancer as an early indicator of recurrence and response to treatment.
- Prostate cancer screening 4.The percentage of Free PSA (FPSA) in serum is described as being significantly higher in patients with BPH than in patients with prostate cancer. 5.Calculation of % free PSA (ie. FPSA/TPSA x 100), has been suggested as way of improving the differentiation of BPH and Prostate cancer.

Interpretation:
Increased In- Prostate diseases,Cancer,Prostatitis, Benign prostatic hyperplasia, Prostatic ischemia, Acute urinary retention, Manipulations like Prostatic massage, Cystoscopy, Needle biopsy, Transurethral resection,Digital rectal examination, Radiation therapy, Indwelling catheter, Vigorous bicycle exercise, Drugs (e.g., testosterone), Physiologic fluctuations. Also found in small amounts in other cancers (sweat and salivary glands, breast, colon, lung, ovary) and in Skene glands of female urethra and in term placenta ,Acute renal failure, Acute myocardial infarction,
Decreased In- Ejaculation within 24-48 hours, Castration, Antiandrogen drugs (e.g., finasteride), Radiation therapy, Prostatectomy, PSA falls 17% in 3 days after lying in hospital, Artifactual (e.g., improper specimen collection; very high PSA levels).Finasteride (5-α-reductase inhibitor) reduces PSA by 50% after 6 months in men without cancer.

Reflex Tests: % FREE PSA , USG Prostate

Limitations:
- tPSA values determined on patient samples by different testing procedures cannot be directly compared with one another and could be the cause of erroneous medical interpretations. If there is a change in the tPSA assay procedure used while monitoring therapy, then the tPSA values obtained upon changing over to the new procedure must be confirmed by parallelmeasurements with both methods. Immediate PSA testing following digital rectal examination, ejaculation, prostatic massage, indwelling catheterization, ultrasonography and needle biopsy of prostate is not recommended as they falsely elevate levels.
- Patients who have been regularly exposed to animals or have received immunotherapy or diagnostic procedures utilizing immunoglobulins or immunoglobulin fragments may produce antibodies, e.g. HAMA, that interferes with immunoassays.
- PSA results should be interpreted in light of the total clinical presentation of the patient, including: symptoms, clinical history, data from additional tests, and other appropriate information.
- Serum PSA concentrations should not be interpreted as absolute evidence for the presence or absence of prostate cancer.

Reference:
- Wallach's Interpretation of diagnostic tests
- Total PSA Pack insert

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

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CID	: 2317209024		
Name	: MR.KISHOR BENDORI		
Age / Gender	: 60 Years / Male		
Consulting Dr.	: -	**Collected**	: 21-Jun-2023 / 08:04
Reg. Location	: Khar West (Main Centre)	**Reported**	: 22-Jun-2023 / 13:17

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
EXAMINATION OF FAECES

PARAMETER	RESULTS	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 (6.5)	-
Occult Blood	Absent	Absent
MICROSCOPIC EXAMINATION		
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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Dr.TRUPTI SHETTY
M. D. (PATH)
Pathologist

SUBURBAN DIAGNOSTICS
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CID	: 2317209024		
Name	: MR.KISHOR BENDORI		
Age / Gender	: 60 Years / Male		
Consulting Dr.	: -	**Collected**	: 21-Jun-2023 / 08:04
Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 12:43

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Yellow	Pale Yellow	-
Reaction (pH)	5.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.025	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	10	-	-
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	5-6	Less than 20/hpf	
Others	-		

Interpretation: The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:
- Protein:(1+ ~25 mg/dl, 2+ ~75 mg/dl, 3+ ~ 150 mg/dl, 4+ ~ 500 mg/dl)
- Glucose:(1+ ~ 50 mg/dl, 2+ ~100 mg/dl, 3+ ~300 mg/dl,4+ ~1000 mg/dl)
- Ketone:(1+ ~5 mg/dl, 2+ ~15 mg/dl, 3+ ~ 50 mg/dl, 4+ ~ 150 mg/dl)

Reference: Pack insert

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Dr.TRUPTI SHETTY
M. D. (PATH)
Pathologist

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Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 12:42

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
BLOOD GROUPING & Rh TYPING

PARAMETER	RESULTS
ABO GROUP	B
Rh TYPING	Positive

NOTE: Test performed by automated Erythrocytes magnetized technology (EMT) 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

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Dr.TRUPTI SHETTY
M. D. (PATH)
Pathologist

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Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 14:10

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	172.3	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	**167.0**	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic colorimetric
HDL CHOLESTEROL, Serum	**26.6**	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Elimination/ Catalase
NON HDL CHOLESTEROL, Serum	**145.7**	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	**112.3**	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	**33.4**	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	**6.5**	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	**4.2**	0-3.5 Ratio	Calculated

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Dr.NAMRATA RAUL
M.D (Biochem)
Biochemist

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Reg. Location	: Khar West (Main Centre)	**Reported** : 21-Jun-2023 / 14:04

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	5.1	3.5-6.5 pmol/L	CLIA
Free T4, Serum	14.9	11.5-22.7 pmol/L	CLIA
sensitiveTSH, Serum	2.798	0.55-4.78 microIU/ml mIU/ml	CLIA

CID : 2317209024

Name : MR.KISHOR BENDORI

Age / Gender : 60 Years / Male

Consulting Dr. : -

Reg. Location : Khar West (Main Centre)

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Collected : 21-Jun-2023 / 08:04

Reported : 21-Jun-2023 / 14:04

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

Clinical Significance:
1)TSH Values between high abnormal upto15 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:
1. 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.
2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results.
this assay is designed to minimize interference from heterophilic antibodies.

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)

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

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Reg. Location	: Khar West (Main Centre)	**Reported**	: 21-Jun-2023 / 14:10

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
LIVER FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
BILIRUBIN (TOTAL), Serum	0.51	0.2-1.1 mg/dl	Vanadate oxidation
BILIRUBIN (DIRECT), Serum	0.17	0-0.3 mg/dl	Vanadate oxidation
BILIRUBIN (INDIRECT), Serum	0.34	<1.2 mg/dl	Calculated
TOTAL PROTEINS, Serum	6.7	5.7-8.2 g/dL	Biuret
ALBUMIN, Serum	4.2	3.2-4.8 g/dL	BCG
GLOBULIN, Serum	2.5	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
SGOT (AST), Serum	15.2	<34 U/L	Modified IFCC
SGPT (ALT), Serum	18.2	10-49 U/L	Modified IFCC
GAMMA GT, Serum	27.2	<73 U/L	Modified IFCC
ALKALINE PHOSPHATASE, Serum	47.0	46-116 U/L	Modified IFCC

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