



Age **57** **5** **19**
years months days

Gender **Male**

Heart Rate **71 bpm**

Patient Vitals

BP: NA
Weight: NA
Height: NA
Pulse: NA
Spo2: NA
Resp: NA
Others: _____

Measurements

QSRD: 78 ms
QT: 370 ms
QTc: 402 ms
PR: 160 ms
P-R-T: 41° 8° 44°

ECG Within Normal Limits: Sinus Rhythm, Normal Axis. Please correlate clinically.

REPORTED BY

DR AKHIL PARULEKAR
MBBS.MD. MEDICINE, DNB Cardiology
Cardiologist
2012082483

Disclaimer: 1) Analysis in this report is based on ECG alone and should be used as an adjunct to clinical history, symptoms, and results of other invasive and non-invasive tests and must be interpreted by a qualified physician. 2) Patient vitals are as entered by the clinician and not derived from the ECG.



CID : 2200869696
Name : MR.RAJESH KUMAR GUPTA
Age / Gender : 57 Years / Male
Consulting Dr. : -
Reg. Location : Kandivali East (Main Centre)

Collected : 08-Jan-2022 / 08:10
Reported : 08-Jan-2022 / 10:57

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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
BLOOD SUGAR REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	126.8	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase

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



MC-2111

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

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

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

For Feedback - customerservice@suburbandiagnositics.com | www.suburbandiagnositics.com



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Reg. Location : Kandivali East (Main Centre)

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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
<u>RBC PARAMETERS</u>			
Haemoglobin	15.2	13.0-17.0 g/dL	Spectrophotometric
RBC	5.31	4.5-5.5 mil/cmm	Elect. Impedance
PCV	44.5	40-50 %	Measured
MCV	84	80-100 fl	Calculated
MCH	28.7	27-32 pg	Calculated
MCHC	34.3	31.5-34.5 g/dL	Calculated
RDW	14.6	11.6-14.0 %	Calculated
<u>WBC PARAMETERS</u>			
WBC Total Count	5700	4000-10000 /cmm	Elect. Impedance
<u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u>			
Lymphocytes	44.9	20-40 %	
Absolute Lymphocytes	2559.3	1000-3000 /cmm	Calculated
Monocytes	7.2	2-10 %	
Absolute Monocytes	410.4	200-1000 /cmm	Calculated
Neutrophils	42.5	40-80 %	
Absolute Neutrophils	2422.5	2000-7000 /cmm	Calculated
Eosinophils	4.8	1-6 %	
Absolute Eosinophils	273.6	20-500 /cmm	Calculated
Basophils	0.6	0.1-2 %	
Absolute Basophils	34.2	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	240000	150000-400000 /cmm	Elect. Impedance
MPV	9.3	6-11 fl	Calculated
PDW	17.5	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-ESR 6 2-20 mm at 1 hr. Westergren

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MC-2111

Bmhaskar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist



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Name : MR.RAJESH KUMAR GUPTA
Age / Gender : 57 Years / Male
Consulting Dr. : -
Reg. Location : Kandivali East (Main Centre)

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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	126.8	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	90.9	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	

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MC-2111

Anupa

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

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

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

For Feedback - customerservice@suburbandiagnosics.com | www.suburbandiagnosics.com



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	6.9	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	151.3	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.

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*** End Of Report ***



MC-2111

M. Sharma
Dr. MEGHA SHARMA
M.D. (PATH), DNB (PATH)
Pathologist



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

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Reported : 08-Jan-2022 / 12:00

**MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
PROSTATE SPECIFIC ANTIGEN (PSA)**

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
TOTAL PSA, Serum	0.545	0.03-3.5 ng/ml	ECLIA

1. PSA is detected in the serum of males with normal, benign hyper-plastic, and malignant prostate tissue.
2. The percentage of Free PSA (FPSA) in serum is described as being significantly higher in patients with BPH than in patients with prostate cancer.
3. Calculation of the ratio of Free to Total PSA (ie. FPSA/TPSA), has been suggested as way of improving the differentiation of BPH and Prostate cancer.

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



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
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 (5.0)	-
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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*** End Of Report ***



MC-2111



Bmhaskar

Dr. KETAKI MHASKAR
M.D. (PATH)
Pathologist

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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Age / Gender : 57 Years / Male
Consulting Dr. : -
Reg. Location : Kandivali East (Main Centre)

Collected : 08-Jan-2022 / 08:10
Reported : 08-Jan-2022 / 12:34

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**MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
URINE EXAMINATION REPORT**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<u>PHYSICAL EXAMINATION</u>			
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	-	-
<u>CHEMICAL EXAMINATION</u>			
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
<u>MICROSCOPIC EXAMINATION</u>			
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	4-5	Less than 20/hpf	
Others	-		

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MC-2111



Bmhaskar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist

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

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Reg. Location : Kandivali East (Main Centre)

Collected : 08-Jan-2022 / 08:10
Reported : 08-Jan-2022 / 12:25

**MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
BLOOD GROUPING & Rh TYPING**

PARAMETER	RESULTS
ABO GROUP	B
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. Sharma
Dr. MEGHA SHARMA
M.D. (PATH), DNB (PATH)
Pathologist



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

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

For Feedback - customerservice@suburbandiagnosics.com | www.suburbandiagnosics.com



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	180.7	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	167.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	43.8	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	136.9	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	103.0	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	33.9	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.1	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.4	0-3.5 Ratio	Calculated

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MC-2111

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



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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**MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
KIDNEY FUNCTION TESTS**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
BLOOD UREA, Serum	17.9	12.8-42.8 mg/dl	Kinetic
BUN, Serum	8.4	6-20 mg/dl	Calculated
CREATININE, Serum	0.86	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	97	>60 ml/min/1.73sqm	Calculated
TOTAL PROTEINS, Serum	7.9	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.6	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	3.3	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.4	1 - 2	Calculated
URIC ACID, Serum	5.2	3.5-7.2 mg/dl	Enzymatic
PHOSPHORUS, Serum	3.3	2.7-4.5 mg/dl	Molybdate UV
CALCIUM, Serum	9.5	8.6-10.0 mg/dl	N-BAPTA
SODIUM, Serum	136	135-148 mmol/l	ISE
POTASSIUM, Serum	4.9	3.5-5.3 mmol/l	ISE
CHLORIDE, Serum	99	98-107 mmol/l	ISE

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*** End Of Report ***



Anupa

Dr. ANUPA DIXIT
M.D.(PATH)
Consultant Pathologist & Lab
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Consulting Dr. : -
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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	4.9	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	13.8	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	2.89	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 transiently altered because 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)

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*** End Of Report ***



Anupa Dixit

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



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/TMT
LIVER FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
BILIRUBIN (TOTAL), Serum	0.49	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.20	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.29	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.9	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.6	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	3.3	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.4	1 - 2	Calculated
SGOT (AST), Serum	33.2	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	40.0	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	32.6	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	88.7	40-130 U/L	Colorimetric

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