

smart Health Report

An Insightful Health Analytics Report
for Easier Understanding

Prepared For

Mr MR.DUMMY

M 23



Name	Patient ID	Gender	Age
Mr MR.DUMMY	8052616	M	23

Health Summary



BLOOD COUNTS

Everything looks good



LIPID PROFILE

Everything looks good



KIDNEY PROFILE

Everything looks good



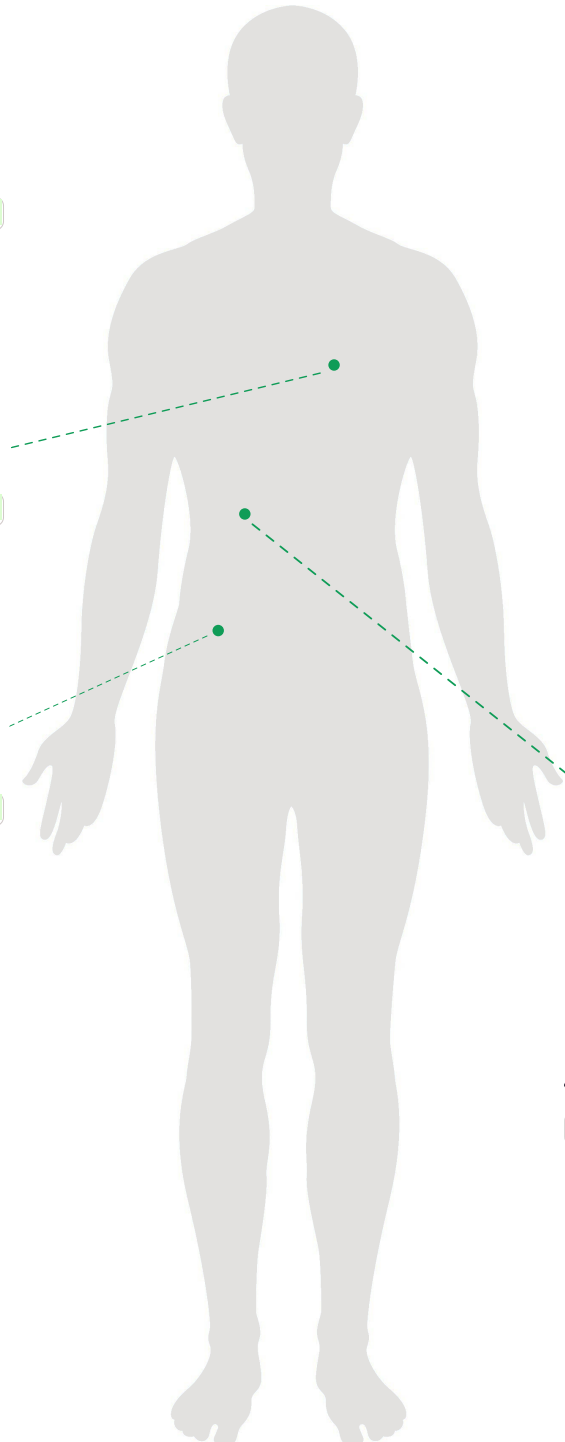
LIVER PROFILE

Everything looks good



ANEMIA STUDIES

Everything looks good



Patient Name	: Mr MR.DUMMY		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052616/RCL7249182	Report Date	: May 25, 2024, 06:45 PM.
Referred By	: Dr. Dr. X	Barcode No	: HY590219
Sample Type	: Whole blood EDTA	Report Status	: Final Report
Test Description	Value(s)	Unit(s)	Reference Range

Immunity Test- Basic

Complete Blood Count (CBC)

RBC Parameters			
Hemoglobin <i>colorimetric</i>	13.8	g/dL	13.0 - 17.0
RBC Count <i>Electrical impedance</i>	5.4	10 ⁶ /μl	4.5 - 5.5
PCV <i>Calculated</i>	42.1	%	40 - 50
MCV <i>Calculated</i>	78.4	fl	83 - 101
MCH <i>Calculated</i>	25.6	pg	27 - 32
MCHC <i>Calculated</i>	32.7	g/dL	31.5 - 34.5
RDW (CV) <i>Calculated</i>	13.7	%	11.6 - 14.0
RDW-SD <i>Calculated</i>	34.8	fl	35.1 - 43.9
WBC Parameters			
TLC <i>Electrical impedance and microscopy</i>	12.2	10 ³ /μl	4 - 10
Differential Leucocyte Count			
Neutrophils <i>Laser based Flow-cytometry</i>	70	%	40-80
Lymphocytes <i>Laser based Flow-cytometry</i>	20	%	20-40
Monocytes <i>Laser based Flow-cytometry</i>	8	%	2-10
Eosinophils <i>Laser based Flow-cytometry</i>	2	%	1-6
Basophils <i>Laser based Flow-cytometry</i>	0	%	<2
Absolute Leukocyte Counts			
Neutrophils. <i>Calculated</i>	8.54	10 ³ /μl	2 - 7
Lymphocytes. <i>Calculated</i>	2.44	10 ³ /μl	1 - 3
Monocytes. <i>Calculated</i>	0.98	10 ³ /μl	0.2 - 1.0
Eosinophils. <i>Calculated</i>	0.24	10 ³ /μl	0.02 - 0.5
Basophils.	0	10 ³ /μl	0.02 - 0.5



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Processing Lab :-

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Sample Type : Whole blood EDTA		Report Status : Final Report	
Test Description	Value(s)	Unit(s)	Reference Range
Calculated			
Platelet Parameters			
Platelet Count <i>Electrical impedance and microscopy</i>	217	10 ³ /μl	150 - 410
Mean Platelet Volume (MPV) <i>Calculated</i>	9.9	fL	9.3 - 12.1
PCT <i>Calculated</i>	0.2	%	0.17 - 0.32
PDW <i>Calculated</i>	17.3	fL	8.3 - 25.0
P-LCR <i>Calculated</i>	34.5	%	18 - 50
P-LCC <i>Calculated</i>	75	%	44 - 140
Mentzer Index <i>Calculated</i>	14.52	%	> 13
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.			


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Erythrocyte Sedimentation Rate (ESR)

ESR - Erythrocyte Sedimentation Rate MODIFIED WESTERGREN	8	mm/hr	0 - 10																											
Interpretation: ESR is also known as Erythrocyte Sedimentation Rate. An ESR test is used to assess inflammation in the body. Many conditions can cause an abnormal ESR, so an ESR test is typically used with other tests to diagnose and monitor different diseases. An elevated ESR may occur in inflammatory conditions including infection, rheumatoid arthritis ,systemic vasculitis, anemia, multiple myeloma , etc. Low levels are typically seen in congestive heart failure, polycythemia ,sickle cell anemia, hypo fibrinogenemia , etc.																														
<table><tr><th>AGE</th><th>MALE</th><th>FEMALE</th></tr><tr><td>1 DAY</td><td>0-2</td><td>0-2</td></tr><tr><td>2 - 7 DAYS</td><td>0-4</td><td>0-4</td></tr><tr><td>8 - 14 DAYS</td><td>0-17</td><td>0-17</td></tr><tr><td>15 DAYS - 17 YEARS</td><td>0-20</td><td>0-20</td></tr><tr><td>18 - 50 YEARS</td><td>0-10</td><td>0-12</td></tr><tr><td>51- 60 YEARS</td><td>0-12</td><td>0-19</td></tr><tr><td>61 - 70 YEARS</td><td>0-14</td><td>0-20</td></tr><tr><td>71 - 100 YEARS</td><td>0-30</td><td>0-35</td></tr></table>				AGE	MALE	FEMALE	1 DAY	0-2	0-2	2 - 7 DAYS	0-4	0-4	8 - 14 DAYS	0-17	0-17	15 DAYS - 17 YEARS	0-20	0-20	18 - 50 YEARS	0-10	0-12	51- 60 YEARS	0-12	0-19	61 - 70 YEARS	0-14	0-20	71 - 100 YEARS	0-30	0-35
AGE	MALE	FEMALE																												
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61 - 70 YEARS	0-14	0-20																												
71 - 100 YEARS	0-30	0-35																												
Reference- Dacie and lewis practical hematology																														



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DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052616/RCL7249182	Report Date	: May 09, 2024, 12:46 PM.
Referred By	: Dr. Dr. X	Barcode No	: ZC674308
Sample Type	: Serum	Report Status	: Final Report
Test Description	Value(s)	Unit(s)	Reference Range

Liver Function Test (LFT)

Bilirubin Total <i>Diazo with Sulphanilic acid</i>	0.43	mg/dL	0.2 - 1.2
Bilirubin Direct <i>Diazo Reaction</i>	0.14	mg/dL	0.0 - 0.5
Bilirubin Indirect <i>Calculation (T Bil - D Bil)</i>	0.29	mg/dL	0.1 - 1.0
SGOT/AST <i>IFCC without P5P</i>	32.0	U/L	5 - 35
SGPT/ALT <i>IFCC without P5P</i>	19.6	U/L	5 - 45
SGOT/SGPT Ratio <i>Calculated</i>	1.63	%	-
Alkaline Phosphatase <i>p-nitrophenyl Phosphate, AMP buffer</i>	112.0	U/L	20-130
Total Protein <i>Biuret</i>	7.9	g/dL	6.6 - 8.7
Albumin <i>BCG</i>	4.7	g/dL	3.8 - 5.0
Globulin <i>Calculation (T.P - Albumin)</i>	3.2	g/dL	2.3 - 3.5
Albumin :Globulin Ratio <i>Calculation (Albumin/Globulin)</i>	1.47	-	1.3 - 2.1
Gamma Glutamyl Transferase (GGT) <i>ENZYMATIC</i>	14.8	U/L	5 -40

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 is 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-utamil 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 water loss (eg, severe vomiting, diarrhea, Addison's disease and diabetic acidosis) or as a result of increased production of proteins Low


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Referred By : Dr. Dr. X		Barcode No : ZC674308	
Sample Type : Serum		Report Status : Final Report	
Test Description	Value(s)	Unit(s)	Reference Range
albumin levels may be			
Caused by: 1.A poor diet (malnutrition). 2.Kidney disease. 3.Liver disease. High albumin levels may be caused by: Severe dehydration.			

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Patient Name : Mr MR.DUMMY DOB/Age/Gender : 23 Y/Male Patient ID / UHID : 8052616/RCL7249182 Referred By : Dr. Dr. X Sample Type : Serum				Sample Collected : Apr 26, 2024, 01:00 PM Report Date : May 09, 2024, 12:59 PM. Barcode No : ZC674308 Report Status : Final Report			
Test Description		Value(s)	Unit(s)	Reference Range			

Kidney Function Test (KFT)

Blood Urea <i>Urease</i>	23.5	mg/dL	19 - 44.1
Creatinine <i>Kinetic Alkaline Picrate</i>	0.90	mg/dL	0.6 - 1.2
Bun <i>Calculated</i>	10.98	mg/dL	8.9 - 20.6
Bun/Creatinine Ratio <i>Calculated</i>	12.2		
Urea / Creatinine Ratio	26.11		
Uric Acid <i>Uricase</i>	5.6	mg/dL	3.7 - 7.7
Calcium Serum <i>Arsenazo III</i>	9.87	mg/dL	8.4 - 10.2
Phosphorus <i>Phosphomolybdate</i>	3.45	mg/dL	2.3 - 4.7
Sodium <i>ISE-Indirect</i>	138.5	mmol/L	136 - 145
Potassium <i>ISE-Indirect</i>	4.54	mmol/L	3.5 - 5.1
Chloride <i>ISE-Indirect</i>	107.0	mmol/L	98 - 107

Interpretation:
 Kidney function tests is a collective term for a variety of individual tests and procedures that can be done to evaluate how well the kidneys are functioning. Many conditions can affect the ability of the kidneys to carry out their vital functions. Some lead to a rapid (acute) decline in kidney function others lead to a gradual (chronic) decline in function. Both result in a buildup of toxic waste substances 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.



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Patient Name : Mr MR.DUMMY

DOB/Age/Gender : 23 Y/Male

Patient ID / UHID : 8052616/RCL7249182

Referred By : Dr. Dr. X

Sample Type : Serum

Sample Collected : Apr 26, 2024, 01:00 PM

Report Date : May 09, 2024, 10:15 AM.

Barcode No : ZC674308

Report Status : Final Report

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

Total Cholesterol <i>Enzymatic</i>	180.0	mg/dL	<200
Triglycerides <i>Glycerol phosphate oxidase</i>	113.0	mg/dL	<150
HDL Cholesterol <i>Accelerator Selective Detergent</i>	67.0	mg/dL	> 40
Non HDL Cholesterol <i>Calculated</i>	113	mg/dL	<130
LDL Cholesterol <i>Calculated</i>	90.4	mg/dL	<100
V.L.D.L Cholesterol <i>Calculated</i>	22.6	mg/dL	<30
Chol/HDL Ratio <i>Calculated</i>	2.69	Ratio	-
HDL/ LDL Ratio <i>Calculated</i>	0.74	Ratio	-
LDL/HDL Ratio <i>Calculated</i>	1.35	Ratio	-

Interpretation:

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 for harmonizing biological variables that might be encountered in single assays.

National Lipid Association Recommendations (NLA-2014)	Total Cholesterol (mg/dL)	Triglyceride (mg/dL)	LDL Cholesterol (mg/dL)	Non HDL Cholesterol (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

HDL Cholesterol	
Low	High
<40	>=60

Risk Stratification for ASCVD (Atherosclerotic Cardiovascular Disease) by Lipid Association of India.

Risk Category	A. CAD with > 1 feature of high risk group
Extreme risk group	B. CAD with >1 feature of very high risk group of recurrent ACS (within 1 year) despite LDL-C <or = 50 mg/dl or poly vascular disease

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Patient Name : Mr MR.DUMMY

DOB/Age/Gender : 23 Y/Male

Patient ID / UHID : 8052616/RCL7249182

Referred By : Dr. Dr. X

Sample Type : Serum

Sample Collected : Apr 26, 2024, 01:00 PM

Report Date : May 09, 2024, 10:15 AM.

Barcode No : ZC674308

Report Status : Final Report

Test Description		Value(s)	Unit(s)	Reference Range
Very High Risk	1.Established ASCVD 2.Diabetes with 2 major risk factors of evidence of end organ damage 3. Familial Homozygous Hypercholesterolemia			
High Risk	1. Three major ASCVD risk factors 2. Diabetes with 1 major risk factor or no evidence of end organ damage 3. CHD stage 3B or 4. 4 LDL >190 mg/dl 5. Extreme of a single risk factor 6. Coronary Artery Calcium - CAC > 300 AU 7. Lipoprotein a >= 50 mg/dl 8. Non stenotic carotid plaque			
Moderate Risk	2 major ASCVD risk factors			
Low Risk	0-1 major ASCVD risk factors			
Major ASCVD (Atherosclerotic cardiovascular disease) Risk Factors				
1. Age >=45 years in Males & >= 55 years in Females	3. Current Cigarette smoking or tobacco use			
2. Family history of premature ASCVD	4. High blood pressure			
5. Low HDL				

Newer treatment goals and statin initiation thresholds based on the risk categories proposed by Lipid Association of India in 2020.

Risk Group	Treatment Goals		Consider Drug Therapy	
	LDL-C (mg/dl)	Non-HDL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)
Extreme Risk Group Category A	<50 (Optional goal <OR = 30)	<80 (Optional goal <OR = 60)	>OR = 50	>OR = 80
Extreme Risk Group Category B	>OR = 30	>OR = 60	> 30	> 60
Very High Risk	<50	<80	>OR = 50	>OR = 80
High Risk	<70	<100	>OR = 70	>OR = 100
Moderate Risk	<100	<130	>OR = 100	>OR = 130
Low Risk	<100	<130	>OR = 130*	>OR = 160

* After an adequate non-pharmacological intervention for at least 3 months.

References : Management of Dyslipidaemia for the Prevention of Stroke : Clinical practice Recommendations from the Lipid Association of India. Current Vascular Pharmacology,2022,20,134-155.



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Patient Name : Mr MR.DUMMY

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Patient ID / UHID : 8052616/RCL7249182

Referred By : Dr. Dr. X

Sample Type : Serum

Sample Collected : Apr 26, 2024, 01:00 PM

Report Date : May 09, 2024, 12:59 PM.

Barcode No : ZC674308

Report Status : Final Report

Test Description	Value(s)	Unit(s)	Reference Range
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Covid-19 IgG Antibody

SARS- CoV-2 spike protein S1 & S2 IgG CMIA	12.34	AU/mL	<50.0 Negative >50.0 Positive
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Interpretation:

AU/mL	Results	Retest rules and interpretation
< 12.0	Negative	A negative result may indicate the absence or a very low level of IgG antibodies to the pathogen. The test could score negative in infected patients during the incubation period and in the early stages of infection.
>= 12.0 to < 15.0	Equivocal	A second sample should be collected and tested one to two weeks later
≥ 15.0	Positive	A positive result generally indicates exposure of the subject to the SARS-COV-2 and /or seroconversion post- Vaccination

Disclaimer:

1. Results should be used in conjunction with other data; e.g., symptoms, results of other tests, and clinical impressions.
2. If the quantity of antibodies is below the detection limit of the assay or if the virus has undergone amino acid mutation(S) in the epitope recognized by the test, Negative results can occur.
3. For equivocal results, kindly repeat in a fresh sample after 14 days.

Please Note :

Test results vary with different methodologies S/E equipments and should therefore be compared only with results from the same methodologies / equipments

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Patient Name	: Mr MR.DUMMY		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052616/RCL7249182	Report Date	: May 25, 2024, 06:49 PM.
Referred By	: Dr. Dr. X	Barcode No	: YA611045
Sample Type	: Spot Urine	Report Status	: Final Report
Test Description	Value(s)	Unit(s)	Reference Range

Urine Routine and Microscopic Examination

Physical Examination			
Volume	20	ml	-
Colour	Pale yellow	-	Pale yellow
Transparency	Clear	-	Clear
Deposit	Absent	-	Absent
Chemical Examination			
Reaction (pH) Double Indicator	5.0	-	4.5 - 8.0
Specific Gravity Ion Exchange	1.020	-	1.010 - 1.030
Urine Glucose (sugar) Oxidase / Peroxidase	Negative	-	Negative
Urine Protein (Albumin) Acid / Base Colour Excahnge	Negative	-	Negative
Urine Ketones (Acetone) Legals Test	Negative	-	Negative
Blood Peroxidase Hemoglobin	Negative	-	Negative
Leucocyte esterase Enzymatic Reaction	Negative	-	Negative
Bilirubin Urine Coupling Reaction	Negative	-	Negative
Nitrite Griless Test	Negative	-	Negative
Urobilinogen Ehrlichs Test	Normal	-	Normal
Microscopic Examination			
Pus Cells (WBCs)	1-2	/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
Protozoa	Absent	-	Absent
Interpretation:			
URINALYSIS- Routine urine analysis assists in screening and diagnosis of various metabolic, urological, kidney and liver disorders.			
Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever			

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Patient Name : Mr MR.DUMMY

DOB/Age/Gender : 23 Y/Male

Patient ID / UHID : 8052616/RCL7249182

Referred By : Dr. Dr. X

Sample Type : Spot Urine

Sample Collected : Apr 26, 2024, 01:00 PM

Report Date : May 25, 2024, 06:49 PM.

Barcode No : YA611045

Report Status : Final Report

Test Description	Value(s)	Unit(s)	Reference Range
Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine. Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.			
Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine. Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.			
Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.			
Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most common cause is bacterial urinary tract infection.			
Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in bladder prior to collection.			
pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/ alkalosis or ingestion of certain type of food can affect the pH of urine.			
Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.			
Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.			
Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in cases of haemolytic anaemia.			

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



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