

DEPARTMENT OF LABORATORY MEDICINE

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| Patient Name : Mr. MADHAN R | Order No : 1000119916 |
| UHID : UHJA24012970 | Registered On : 08/03/2025 08:59:01 AM |
| Age/Sex : 44/Years Male | Collected On : 08/03/2025 09:40:12 AM |
| Ward / Bed No : | Reported On : 08/03/2025 12:54:39 PM |
| Reference : Dr. Ashmitha Padma | Bill No : OPBJA240018271 |
| Station : At Hospital | Mobile No : 9594096660 |
| Payer Name : Mediwheel | Report Status : Final Report |

| Test Name | Result | Unit | Bio. Ref. Interval |
|--|--------|--------|--|
| BIOCHEMISTRY | | | |
| FASTING GLUCOSE (Method: Hexokinase) | 99 | mg/dL | ADA Guidelines < 100 mg/dl - Normal 100 to 125 mg/dl - Prediabetes ≥ 126 mg/dl - Diabetes |
| POST PRANDIAL GLUCOSE (Method: Hexokinase) | 89 | mg/dL | 70-140 |
| GLYCOSYLATED HAEMOGLOBIN (HBA1C) | | | Sample: Whole blood (EDTA) |
| HBA1C (Method: HPLC) | 5.3 | % | ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes |
| Estimated Average Glucose (eAG) (Method: Calculated) | 105 | mg/dL | |
| THYROID PROFILE (TOTAL T3, TOTAL T4 & TSH) | | | Sample: Serum |
| TOTAL T3 (Method: CLIA) | 1.29 | ng/mL | 0.87-1.78 |
| TOTAL T4 (Method: CLIA) | 10.07 | µg/dL | 5.1-14.1 |
| THYROID STIMULATING HORMONE (TSH) (Method: CLIA: Ultra-sensitive) | 3.16 | µIU/mL | 0.34-5.60 |
| LIPID PROFILE | | | Sample: Serum |
| TOTAL CHOLESTEROL (Method: CHOD-POD) | 185 | mg/dL | ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High |
| TRIGLYCERIDES (Method: Enzymatic GPO-POD) | 110 | mg/dL | < 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High |
| HDL CHOLESTEROL (Method: ENZYMATIC METHOD) | 31.5 | mg/dL | < 40 - Low ≥ 60 - High |

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| LDL CHOLESTEROL (Method: Calculated) | 131.50 | mg/dL | <100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high |
| VLDL CHOLESTEROL (Method: Calculated) | 22.00 | mg/dL | < 30 |
| TOTAL CHOLESTEROL : HDL RATIO (Method: Calculated) | 5.87 | | Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 |
| LDL/HDL CHOLESTEROL RATIO (Method: Calculated) | 4.17 | | < 2.5 Optimal |
| NON HDL CHOLESTEROL (Method: Calculated) | 153.50 | mg/dL | < 130 |
| URIC ACID (Method:Uricase - POD(Enzymatic)) | 8.0 | mg/dL | 3.5-7.2 |
| CREATININE (Method:Modified Jaffe, Kinetic) | 1.01 | mg/dL | 0.9-1.3 |
| LIVER FUNCTION TEST | | | |
| TOTAL BILIRUBIN (Method:Dichlorophenyl Diazotization) | 1.00 | mg/dL | 0.3-1.2 |
| DIRECT BILIRUBIN (Method:Dichlorophenyl Diazotization) | 0.21 | mg/dL | 0.0-0.2 |
| INDIRECT BILIRUBIN (Method: Calculated) | 0.79 | mg/dL | 0.2-1.0 |
| TOTAL PROTEIN (Method:BIURET) | 8.0 | g/dL | 6.6-8.3 |
| ALBUMIN (Method:BCG) | 4.58 | g/dL | 3.5-5.2 |
| GLOBULIN (Method: Calculated) | 3.42 | g/dL | 2.3-3.5 |
| AG RATIO (Method: Calculated) | 1.34 | | 2:1 |

Sample: Serum

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| SERUM SGOT (Method:IFCC without P5P) | 109 | U/L | < 50 |
| SERUM SGPT (Method:IFCC without P5P) | 68 | U/L | < 50 |
| ALKALINE PHOSPHATASE, SERUM (Method:PNPP AMP Buffer) | 84 | U/L | 50-116 |
| GGT (Method:IFCC) | 20 | U/L | < 55 |



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HAEMATOLOGY
COMPLETE BLOOD COUNT(CBC)

Sample: Whole blood (EDTA)

| | | | |
|---|-------|-------------|------------|
| HAEMOGLOBIN (Method:Photometric Measurement: Oxyhemoglobin method) | 15.12 | g/dL | 13.5-17.5 |
| PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT) (Method: Calculated) | 44.9 | % | 42-52 |
| TOTAL WBC COUNT (TLC) (Method:Coulter Principle) | 8820 | Cells/Cum | 4000-11000 |
| DIFFERENTIAL COUNT | | | |
| NEUTROPHILS (Method:Optical/Impedance) | 68.62 | % | 40-75 |
| LYMPHOCYTES (Method:Optical/Impedance) | 23.88 | % | 20-45 |
| EOSINOPHILS (Method:Optical/Impedance) | 1.96 | % | 0-6 |
| MONOCYTES (Method:Optical/Impedance) | 5.33 | % | 2-10 |
| BASOPHILS (Method:Optical/Impedance) | 0.21 | % | 0-2 |
| RED BLOOD CORPUSCLES(RBC) (Method:Coulter Principle) | 5.09 | million/cum | 4.5-5.9 |
| MCV (Method:Derived from RBC Histogram) | 88.2 | fL | 78-100 |
| MCH (Method: Calculated) | 29.7 | pg | 27-31 |
| MCHC (Method: Calculated) | 33.7 | g/dL | 31-37 |
| RDW - CV (Method: Calculated) | 13.1 | % | 11.5-14.5 |
| PLATELET COUNT (Method:Electrical Impedance) | 1.95 | Lakhs/Cum | 1.5-4.5 |

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| MEAN PLATELET VOLUME(MPV) (Method:Derived from PLT Histogram) | 8.37 | fl | 7-11 |
| PLATELET DISTRIBUTION WIDTH (PDW) (Method: Calculated) | 17.5 | fl | 9-19 |
| ABSOLUTE NEUTROPHIL COUNT (ANC) (Method: Calculated) | 6050 | Cells/Cum | 1500-7500 |
| ABSOLUTE EOSINOPHIL COUNT (AEC) (Method: Calculated) | 170 | Cells/Cum | 40-440 |
| ABSOLUTE LYMPHOCYTE COUNT (ALC) (Method: Calculated) | 2110 | Cells/Cum | 1000-4000 |
| ABSOLUTE MONOCYTE COUNT (AMC) (Method: Calculated) | 470 | Cells/Cum | 200-1000 |
| ABSOLUTE BASOPHIL COUNT (ABC) (Method: Calculated) | 20 | Cells/Cum | 20-100 |
| ERYTHROCYTE SEDIMENTATION RATE(ESR) (Method:Modified Westergren Method) | 36 | mm/hour | 1-15 |


BLOOD GROUPING & RH TYPING

Sample: Whole blood (EDTA)

| | |
|--|----------|
| ABO Group (Method:Agglutination Method) | A |
| Rh Factor (Method:Agglutination Method) | Positive |

Interpretation Notes

Note: Both forward and reverse grouping performed



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CLINICAL PATHOLOGY

URINE EXAMINATION, ROUTINE

Sample: Urine

PHYSICAL EXAMINATION

| | | | |
|------------------|-------------|----|-------------|
| VOLUME | 25 | mL | |
| COLOUR | Pale Yellow | | |
| APPEARANCE | Clear | | |
| PH | 6.0 | | 5.0-8.0 |
| SPECIFIC GRAVITY | 1.005 | | 1.005-1.030 |

CHEMICAL EXAMINATION

| | | | |
|--|----------|--|----------|
| PROTEIN (Method:Protein Error of pH Indicator) | Absent | | Absent |
| GLUCOSE (Method:GOD-POD) | Absent | | Absent |
| KETONE BODIES (Method:Nitroprusside method/ Rothera's test) | Absent | | Absent |
| BILIRUBIN (Method:DIAZO/FOUCHET'S TEST) | Negative | | Negative |
| BILE SALT (Method:Hay's sulfur test) | Absent | | Absent |
| NITRITE (Method:Griess method) | Negative | | Negative |
| UROBILINOGEN (Method:Azo coupling method) | Normal | | |
| LEUKOCYTE ESTERASE (Method:Leukocyte Esterase activity) | Negative | | Negative |
| BLOOD (Method:Peroxidase Reaction) | Negative | | Negative |

MICROSCOPIC EXAMINATION

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| EPITHELIAL CELLS | 2-4 | /HPF | 0-5 |
| PUS CELLS | 2-4 | /HPF | 0-5 |
| RBCs | Nil | /HPF | 0-2 |
| CASTS | Nil | /LPF | |
| CRYSTALS | Nil | | |
| OTHERS | Nil | | |
| URINE SUGAR, FASTING (Method:GOD-POD) | Absent | | |
| URINE SUGAR (POST PRANDIAL) | Absent | | |

Verified By
G Mahesh kumar

---End of Report---



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