

Medical Lab - Synthetic Blood Report

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| Report ID: | BR100238 | Patient Name: | Riya Joshi |
| Sex: | F | Age: | 50 |
| Report Date: | 2024-10-29 | Physician: | Dr. S. Rao |

| Test | Result | Reference Range |
|---------------------------------|--------|-----------------|
| Hemoglobin (g/dL) | 8.81 | 12.0 - 16.0 |
| RBC (10 ⁶ /μL) | 4.59 | 3.5 - 5.5 |
| WBC (10 ³ /μL) | 9 | 4.5 - 11.0 |
| Platelets (10 ³ /μL) | 228 | 150 - 400 |
| Hematocrit (%) | 58.77 | 36 - 46 |
| MCV (fL) | 96.3 | 80 - 100 |
| MCH (pg) | 29.52 | 27 - 32 |
| MCHC (g/dL) | 31.39 | 32 - 36 |
| Neutrophils (%) | 61.36 | 40 - 70 |
| Lymphocytes (%) | 30.61 | 20 - 40 |
| Fasting Glucose (mg/dL) | 86.74 | 70 - 99 |
| Urea (mg/dL) | 9.99 | 7 - 20 |
| Creatinine (mg/dL) | 0.84 | 0.59 - 1.04 |
| Sodium (mmol/L) | 140.02 | 135 - 145 |
| Potassium (mmol/L) | 4.69 | 3.5 - 5.1 |
| ALT (U/L) | 19.54 | 7 - 56 |
| AST (U/L) | 7.29 | 10 - 40 |

Note: This is a synthetic dataset generated for research/educational use. Reference ranges are typical clinical ranges and may vary by laboratory.