

Medical Lab - Synthetic Blood Report

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| Report ID: | BR100831 | Patient Name: | Vikram Malhotra |
| Sex: | F | Age: | 46 |
| Report Date: | 2025-08-25 | Physician: | Dr. S. Rao |

| Test | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL) | 14.1 | 12.0 - 16.0 |
| RBC (10^6/µL) | 4.04 | 3.5 - 5.5 |
| WBC (10^3/µL) | 5 | 4.5 - 11.0 |
| Platelets (10^3/µL) | 173 | 150 - 400 |
| Hematocrit (%) | 43.12 | 36 - 46 |
| MCV (fL) | 90.16 | 80 - 100 |
| MCH (pg) | 27.71 | 27 - 32 |
| MCHC (g/dL) | 33.06 | 32 - 36 |
| Neutrophils (%) | 58.95 | 40 - 70 |
| Lymphocytes (%) | 15.05 | 20 - 40 |
| Fasting Glucose (mg/dL) | 79.73 | 70 - 99 |
| Urea (mg/dL) | 16.82 | 7 - 20 |
| Creatinine (mg/dL) | 1.24 | 0.59 - 1.04 |
| Sodium (mmol/L) | 138.8 | 135 - 145 |
| Potassium (mmol/L) | 6.23 | 3.5 - 5.1 |
| ALT (U/L) | 28.5 | 7 - 56 |
| AST (U/L) | 15.56 | 10 - 40 |

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