

Medical Lab - Synthetic Blood Report

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| Report ID: | BR100007 | Patient Name: | Vikram Malhotra |
| Sex: | M | Age: | 13 |
| Report Date: | 2025-05-25 | Physician: | Dr. S. Rao |

| Test | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL) | 14.35 | 13.5 - 17.5 |
| RBC (10^6/μL) | 5.1 | 4.3 - 5.9 |
| WBC (10^3/μL) | 7 | 4.5 - 11.0 |
| Platelets (10^3/μL) | 212 | 150 - 400 |
| Hematocrit (%) | 51.05 | 41 - 53 |
| MCV (fL) | 90.36 | 80 - 100 |
| MCH (pg) | 29.7 | 27 - 32 |
| MCHC (g/dL) | 32.96 | 32 - 36 |
| Neutrophils (%) | 42.47 | 40 - 70 |
| Lymphocytes (%) | 26.56 | 20 - 40 |
| Fasting Glucose (mg/dL) | 82.31 | 70 - 99 |
| Urea (mg/dL) | 6.19 | 7 - 20 |
| Creatinine (mg/dL) | 0.9 | 0.74 - 1.35 |
| Sodium (mmol/L) | 142.77 | 135 - 145 |
| Potassium (mmol/L) | 3.51 | 3.5 - 5.1 |
| ALT (U/L) | 20.54 | 7 - 56 |
| AST (U/L) | 24.38 | 10 - 40 |

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