

Medical Lab - Synthetic Blood Report

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| Report ID: | BR100586 | Patient Name: | Riya Iyer |
| Sex: | F | Age: | 19 |
| Report Date: | 2025-02-28 | Physician: | Dr. S. Rao |

| Test | Result | Reference Range |
|---------------------------------|--------|-----------------|
| Hemoglobin (g/dL) | 12.4 | 12.0 - 16.0 |
| RBC (10 ⁶ /μL) | 4.2 | 3.5 - 5.5 |
| WBC (10 ³ /μL) | 7 | 4.5 - 11.0 |
| Platelets (10 ³ /μL) | 226 | 150 - 400 |
| Hematocrit (%) | 40.69 | 36 - 46 |
| MCV (fL) | 84.05 | 80 - 100 |
| MCH (pg) | 28.73 | 27 - 32 |
| MCHC (g/dL) | 35.07 | 32 - 36 |
| Neutrophils (%) | 55.82 | 40 - 70 |
| Lymphocytes (%) | 36.71 | 20 - 40 |
| Fasting Glucose (mg/dL) | 98.15 | 70 - 99 |
| Urea (mg/dL) | 19.98 | 7 - 20 |
| Creatinine (mg/dL) | 0.99 | 0.59 - 1.04 |
| Sodium (mmol/L) | 138.05 | 135 - 145 |
| Potassium (mmol/L) | 5.03 | 3.5 - 5.1 |
| ALT (U/L) | 14.11 | 7 - 56 |
| AST (U/L) | 17.56 | 10 - 40 |

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