

# Medical Lab - Synthetic Blood Report

|              |            |               |            |
|--------------|------------|---------------|------------|
| Report ID:   | BR100311   | Patient Name: | Isha Khan  |
| Sex:         | M          | Age:          | 24         |
| Report Date: | 2025-04-14 | Physician:    | Dr. S. Rao |

| Test                    | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL)       | 13.61  | 13.5 - 17.5     |
| RBC (10^6/µL)           | 5.0    | 4.3 - 5.9       |
| WBC (10^3/µL)           | 9      | 4.5 - 11.0      |
| Platelets (10^3/µL)     | 251    | 150 - 400       |
| Hematocrit (%)          | 42.17  | 41 - 53         |
| MCV (fL)                | 99.98  | 80 - 100        |
| MCH (pg)                | 31.95  | 27 - 32         |
| MCHC (g/dL)             | 32.05  | 32 - 36         |
| Neutrophils (%)         | 52.74  | 40 - 70         |
| Lymphocytes (%)         | 38.09  | 20 - 40         |
| Fasting Glucose (mg/dL) | 95.01  | 70 - 99         |
| Urea (mg/dL)            | 19.86  | 7 - 20          |
| Creatinine (mg/dL)      | 1.06   | 0.74 - 1.35     |
| Sodium (mmol/L)         | 108.88 | 135 - 145       |
| Potassium (mmol/L)      | 3.72   | 3.5 - 5.1       |
| ALT (U/L)               | 13.78  | 7 - 56          |
| AST (U/L)               | 17.75  | 10 - 40         |

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