

# Medical Lab - Synthetic Blood Report

|              |            |               |            |
|--------------|------------|---------------|------------|
| Report ID:   | BR100288   | Patient Name: | Isha Patel |
| Sex:         | F          | Age:          | 8          |
| Report Date: | 2025-03-02 | Physician:    | Dr. S. Rao |

| Test                      | Result | Reference Range |
|---------------------------|--------|-----------------|
| Hemoglobin (g/dL)         | 12.96  | 12.0 - 16.0     |
| RBC (10^6/ $\mu$ L)       | 4.94   | 3.5 - 5.5       |
| WBC (10^3/ $\mu$ L)       | 4      | 4.5 - 11.0      |
| Platelets (10^3/ $\mu$ L) | 391    | 150 - 400       |
| Hematocrit (%)            | 39.57  | 36 - 46         |
| MCV (fL)                  | 93.27  | 80 - 100        |
| MCH (pg)                  | 27.23  | 27 - 32         |
| MCHC (g/dL)               | 32.28  | 32 - 36         |
| Neutrophils (%)           | 48.09  | 40 - 70         |
| Lymphocytes (%)           | 20.1   | 20 - 40         |
| Fasting Glucose (mg/dL)   | 73.27  | 70 - 99         |
| Urea (mg/dL)              | 16.28  | 7 - 20          |
| Creatinine (mg/dL)        | 0.89   | 0.59 - 1.04     |
| Sodium (mmol/L)           | 136.66 | 135 - 145       |
| Potassium (mmol/L)        | 4.07   | 3.5 - 5.1       |
| ALT (U/L)                 | 48.49  | 7 - 56          |
| AST (U/L)                 | 14.03  | 10 - 40         |

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