

# Medical Lab - Synthetic Blood Report

|              |            |               |            |
|--------------|------------|---------------|------------|
| Report ID:   | BR100937   | Patient Name: | Priya Jain |
| Sex:         | M          | Age:          | 69         |
| Report Date: | 2025-05-20 | Physician:    | Dr. S. Rao |

| Test                      | Result | Reference Range |
|---------------------------|--------|-----------------|
| Hemoglobin (g/dL)         | 22.67  | 13.5 - 17.5     |
| RBC (10^6/ $\mu$ L)       | 4.26   | 4.3 - 5.9       |
| WBC (10^3/ $\mu$ L)       | 4      | 4.5 - 11.0      |
| Platelets (10^3/ $\mu$ L) | 254    | 150 - 400       |
| Hematocrit (%)            | 41.61  | 41 - 53         |
| MCV (fL)                  | 93.29  | 80 - 100        |
| MCH (pg)                  | 24.04  | 27 - 32         |
| MCHC (g/dL)               | 32.92  | 32 - 36         |
| Neutrophils (%)           | 43.27  | 40 - 70         |
| Lymphocytes (%)           | 29.53  | 20 - 40         |
| Fasting Glucose (mg/dL)   | 80.8   | 70 - 99         |
| Urea (mg/dL)              | 7.31   | 7 - 20          |
| Creatinine (mg/dL)        | 0.77   | 0.74 - 1.35     |
| Sodium (mmol/L)           | 140.83 | 135 - 145       |
| Potassium (mmol/L)        | 4.56   | 3.5 - 5.1       |
| ALT (U/L)                 | 49.03  | 7 - 56          |
| AST (U/L)                 | 37.23  | 10 - 40         |

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