

# Medical Lab - Synthetic Blood Report

|              |            |               |                |
|--------------|------------|---------------|----------------|
| Report ID:   | BR100700   | Patient Name: | Arjun Malhotra |
| Sex:         | F          | Age:          | 59             |
| Report Date: | 2025-07-20 | Physician:    | Dr. S. Rao     |

| Test                    | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL)       | 12.23  | 12.0 - 16.0     |
| RBC (10^6/μL)           | 5.08   | 3.5 - 5.5       |
| WBC (10^3/μL)           | 8      | 4.5 - 11.0      |
| Platelets (10^3/μL)     | 336    | 150 - 400       |
| Hematocrit (%)          | 41.23  | 36 - 46         |
| MCV (fL)                | 84.86  | 80 - 100        |
| MCH (pg)                | 30.1   | 27 - 32         |
| MCHC (g/dL)             | 34.2   | 32 - 36         |
| Neutrophils (%)         | 62.74  | 40 - 70         |
| Lymphocytes (%)         | 35.49  | 20 - 40         |
| Fasting Glucose (mg/dL) | 84.68  | 70 - 99         |
| Urea (mg/dL)            | 17.82  | 7 - 20          |
| Creatinine (mg/dL)      | 0.99   | 0.59 - 1.04     |
| Sodium (mmol/L)         | 144.32 | 135 - 145       |
| Potassium (mmol/L)      | 3.56   | 3.5 - 5.1       |
| ALT (U/L)               | 44.77  | 7 - 56          |
| AST (U/L)               | 27.2   | 10 - 40         |

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