

# Medical Lab - Synthetic Blood Report

|              |            |               |            |
|--------------|------------|---------------|------------|
| Report ID:   | BR100911   | Patient Name: | Amit Reddy |
| Sex:         | F          | Age:          | 45         |
| Report Date: | 2024-12-21 | Physician:    | Dr. S. Rao |

| Test                    | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL)       | 11.95  | 12.0 - 16.0     |
| RBC (10^6/µL)           | 5.85   | 3.5 - 5.5       |
| WBC (10^3/µL)           | 7      | 4.5 - 11.0      |
| Platelets (10^3/µL)     | 316    | 150 - 400       |
| Hematocrit (%)          | 48.9   | 36 - 46         |
| MCV (fL)                | 81.91  | 80 - 100        |
| MCH (pg)                | 27.18  | 27 - 32         |
| MCHC (g/dL)             | 35.48  | 32 - 36         |
| Neutrophils (%)         | 53.35  | 40 - 70         |
| Lymphocytes (%)         | 27.56  | 20 - 40         |
| Fasting Glucose (mg/dL) | 101.8  | 70 - 99         |
| Urea (mg/dL)            | 14.41  | 7 - 20          |
| Creatinine (mg/dL)      | 0.7    | 0.59 - 1.04     |
| Sodium (mmol/L)         | 144.37 | 135 - 145       |
| Potassium (mmol/L)      | 5.04   | 3.5 - 5.1       |
| ALT (U/L)               | 23.28  | 7 - 56          |
| AST (U/L)               | 15.08  | 10 - 40         |

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