

# Medical Lab - Synthetic Blood Report

|              |            |               |             |
|--------------|------------|---------------|-------------|
| Report ID:   | BR100997   | Patient Name: | Anita Kumar |
| Sex:         | M          | Age:          | 43          |
| Report Date: | 2024-10-27 | Physician:    | Dr. S. Rao  |

| Test                    | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL)       | 15.94  | 13.5 - 17.5     |
| RBC (10^6/μL)           | 4.49   | 4.3 - 5.9       |
| WBC (10^3/μL)           | 9      | 4.5 - 11.0      |
| Platelets (10^3/μL)     | 179    | 150 - 400       |
| Hematocrit (%)          | 52.6   | 41 - 53         |
| MCV (fL)                | 97.73  | 80 - 100        |
| MCH (pg)                | 27.61  | 27 - 32         |
| MCHC (g/dL)             | 33.28  | 32 - 36         |
| Neutrophils (%)         | 53.09  | 40 - 70         |
| Lymphocytes (%)         | 27.4   | 20 - 40         |
| Fasting Glucose (mg/dL) | 89.18  | 70 - 99         |
| Urea (mg/dL)            | 18.43  | 7 - 20          |
| Creatinine (mg/dL)      | 0.83   | 0.74 - 1.35     |
| Sodium (mmol/L)         | 174.3  | 135 - 145       |
| Potassium (mmol/L)      | 4.1    | 3.5 - 5.1       |
| ALT (U/L)               | 22.0   | 7 - 56          |
| AST (U/L)               | 22.68  | 10 - 40         |

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