

# Medical Lab - Synthetic Blood Report

|              |            |               |            |
|--------------|------------|---------------|------------|
| Report ID:   | BR100063   | Patient Name: | Aman Iyer  |
| Sex:         | F          | Age:          | 46         |
| Report Date: | 2025-06-17 | Physician:    | Dr. S. Rao |

| Test                            | Result | Reference Range |
|---------------------------------|--------|-----------------|
| Hemoglobin (g/dL)               | 14.28  | 12.0 - 16.0     |
| RBC (10 <sup>6</sup> /μL)       | 5.48   | 3.5 - 5.5       |
| WBC (10 <sup>3</sup> /μL)       | 10     | 4.5 - 11.0      |
| Platelets (10 <sup>3</sup> /μL) | 311    | 150 - 400       |
| Hematocrit (%)                  | 37.5   | 36 - 46         |
| MCV (fL)                        | 90.5   | 80 - 100        |
| MCH (pg)                        | 28.58  | 27 - 32         |
| MCHC (g/dL)                     | 34.36  | 32 - 36         |
| Neutrophils (%)                 | 53.31  | 40 - 70         |
| Lymphocytes (%)                 | 33.23  | 20 - 40         |
| Fasting Glucose (mg/dL)         | 84.04  | 70 - 99         |
| Urea (mg/dL)                    | 8.16   | 7 - 20          |
| Creatinine (mg/dL)              | 0.63   | 0.59 - 1.04     |
| Sodium (mmol/L)                 | 142.0  | 135 - 145       |
| Potassium (mmol/L)              | 4.69   | 3.5 - 5.1       |
| ALT (U/L)                       | 5.54   | 7 - 56          |
| AST (U/L)                       | 12.51  | 10 - 40         |

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