

Medical Lab - Synthetic Blood Report

| | | | |
|--------------|------------|---------------|---------------|
| Report ID: | BR100070 | Patient Name: | Nikhil Sharma |
| Sex: | M | Age: | 45 |
| Report Date: | 2025-05-20 | Physician: | Dr. S. Rao |

| Test | Result | Reference Range |
|---------------------------------|--------|-----------------|
| Hemoglobin (g/dL) | 14.25 | 13.5 - 17.5 |
| RBC (10 ⁶ /μL) | 5.42 | 4.3 - 5.9 |
| WBC (10 ³ /μL) | 11 | 4.5 - 11.0 |
| Platelets (10 ³ /μL) | 226 | 150 - 400 |
| Hematocrit (%) | 45.89 | 41 - 53 |
| MCV (fL) | 81.68 | 80 - 100 |
| MCH (pg) | 31.3 | 27 - 32 |
| MCHC (g/dL) | 33.51 | 32 - 36 |
| Neutrophils (%) | 56.18 | 40 - 70 |
| Lymphocytes (%) | 34.57 | 20 - 40 |
| Fasting Glucose (mg/dL) | 80.57 | 70 - 99 |
| Urea (mg/dL) | 16.32 | 7 - 20 |
| Creatinine (mg/dL) | 0.94 | 0.74 - 1.35 |
| Sodium (mmol/L) | 136.59 | 135 - 145 |
| Potassium (mmol/L) | 4.49 | 3.5 - 5.1 |
| ALT (U/L) | 23.19 | 7 - 56 |
| AST (U/L) | 15.81 | 10 - 40 |

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