

Medical Lab - Synthetic Blood Report

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| Report ID: | BR100530 | Patient Name: | Aman Kapoor |
| Sex: | M | Age: | 17 |
| Report Date: | 2024-10-11 | Physician: | Dr. S. Rao |

| Test | Result | Reference Range |
|-------------------------|--------|-----------------|
| Hemoglobin (g/dL) | 19.42 | 13.5 - 17.5 |
| RBC (10^6/μL) | 4.97 | 4.3 - 5.9 |
| WBC (10^3/μL) | 5 | 4.5 - 11.0 |
| Platelets (10^3/μL) | 379 | 150 - 400 |
| Hematocrit (%) | 47.08 | 41 - 53 |
| MCV (fL) | 92.17 | 80 - 100 |
| MCH (pg) | 30.44 | 27 - 32 |
| MCHC (g/dL) | 32.4 | 32 - 36 |
| Neutrophils (%) | 44.44 | 40 - 70 |
| Lymphocytes (%) | 31.87 | 20 - 40 |
| Fasting Glucose (mg/dL) | 73.9 | 70 - 99 |
| Urea (mg/dL) | 12.94 | 7 - 20 |
| Creatinine (mg/dL) | 1.06 | 0.74 - 1.35 |
| Sodium (mmol/L) | 135.93 | 135 - 145 |
| Potassium (mmol/L) | 4.13 | 3.5 - 5.1 |
| ALT (U/L) | 51.47 | 7 - 56 |
| AST (U/L) | 14.19 | 10 - 40 |

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