

# Medical Lab - Synthetic Blood Report

|              |            |               |            |
|--------------|------------|---------------|------------|
| Report ID:   | BR100618   | Patient Name: | Rahul Iyer |
| Sex:         | M          | Age:          | 8          |
| Report Date: | 2024-10-15 | Physician:    | Dr. S. Rao |

| Test                            | Result | Reference Range |
|---------------------------------|--------|-----------------|
| Hemoglobin (g/dL)               | 13.82  | 13.5 - 17.5     |
| RBC (10 <sup>6</sup> /μL)       | 4.32   | 4.3 - 5.9       |
| WBC (10 <sup>3</sup> /μL)       | 10     | 4.5 - 11.0      |
| Platelets (10 <sup>3</sup> /μL) | 334    | 150 - 400       |
| Hematocrit (%)                  | 32.27  | 41 - 53         |
| MCV (fL)                        | 96.89  | 80 - 100        |
| MCH (pg)                        | 28.26  | 27 - 32         |
| MCHC (g/dL)                     | 33.16  | 32 - 36         |
| Neutrophils (%)                 | 67.38  | 40 - 70         |
| Lymphocytes (%)                 | 20.87  | 20 - 40         |
| Fasting Glucose (mg/dL)         | 105.85 | 70 - 99         |
| Urea (mg/dL)                    | 8.88   | 7 - 20          |
| Creatinine (mg/dL)              | 0.91   | 0.74 - 1.35     |
| Sodium (mmol/L)                 | 135.16 | 135 - 145       |
| Potassium (mmol/L)              | 3.17   | 3.5 - 5.1       |
| ALT (U/L)                       | 11.82  | 7 - 56          |
| AST (U/L)                       | 42.24  | 10 - 40         |

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