

# Medical Lab - Synthetic Blood Report

Report ID:	BR100007	Patient Name:	Vikram Malhotra
Sex:	M	Age:	13
Report Date:	2025-05-25	Physician:	Dr. S. Rao

Test	Result	Reference Range
Hemoglobin (g/dL)	14.35	13.5 - 17.5
RBC (10^6/ $\mu$ L)	5.1	4.3 - 5.9
WBC (10^3/ $\mu$ L)	7	4.5 - 11.0
Platelets (10^3/ $\mu$ L)	212	150 - 400
Hematocrit (%)	51.05	41 - 53
MCV (fL)	90.36	80 - 100
MCH (pg)	29.7	27 - 32
MCHC (g/dL)	32.96	32 - 36
Neutrophils (%)	42.47	40 - 70
Lymphocytes (%)	26.56	20 - 40
Fasting Glucose (mg/dL)	82.31	70 - 99
Urea (mg/dL)	6.19	7 - 20
Creatinine (mg/dL)	0.9	0.74 - 1.35
Sodium (mmol/L)	142.77	135 - 145
Potassium (mmol/L)	3.51	3.5 - 5.1
ALT (U/L)	20.54	7 - 56
AST (U/L)	24.38	10 - 40

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