

# Medical Lab - Synthetic Blood Report

Report ID:	BR100294	Patient Name:	Karan Desai
Sex:	F	Age:	15
Report Date:	2025-02-05	Physician:	Dr. S. Rao

Test	Result	Reference Range
Hemoglobin (g/dL)	12.45	12.0 - 16.0
RBC (10 <sup>6</sup> /μL)	4.55	3.5 - 5.5
WBC (10 <sup>3</sup> /μL)	11	4.5 - 11.0
Platelets (10 <sup>3</sup> /μL)	160	150 - 400
Hematocrit (%)	45.15	36 - 46
MCV (fL)	98.19	80 - 100
MCH (pg)	27.14	27 - 32
MCHC (g/dL)	42.19	32 - 36
Neutrophils (%)	46.95	40 - 70
Lymphocytes (%)	20.65	20 - 40
Fasting Glucose (mg/dL)	85.62	70 - 99
Urea (mg/dL)	14.79	7 - 20
Creatinine (mg/dL)	0.74	0.59 - 1.04
Sodium (mmol/L)	143.74	135 - 145
Potassium (mmol/L)	3.67	3.5 - 5.1
ALT (U/L)	6.5	7 - 56
AST (U/L)	19.36	10 - 40

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