

# Medical Lab - Synthetic Blood Report

Report ID:	BR100368	Patient Name:	Amit Jain
Sex:	F	Age:	40
Report Date:	2025-01-23	Physician:	Dr. S. Rao

Test	Result	Reference Range
Hemoglobin (g/dL)	12.85	12.0 - 16.0
RBC (10^6/ $\mu$ L)	5.05	3.5 - 5.5
WBC (10^3/ $\mu$ L)	11	4.5 - 11.0
Platelets (10^3/ $\mu$ L)	350	150 - 400
Hematocrit (%)	36.21	36 - 46
MCV (fL)	94.86	80 - 100
MCH (pg)	30.6	27 - 32
MCHC (g/dL)	40.58	32 - 36
Neutrophils (%)	65.18	40 - 70
Lymphocytes (%)	30.18	20 - 40
Fasting Glucose (mg/dL)	96.5	70 - 99
Urea (mg/dL)	19.67	7 - 20
Creatinine (mg/dL)	0.52	0.59 - 1.04
Sodium (mmol/L)	142.63	135 - 145
Potassium (mmol/L)	4.44	3.5 - 5.1
ALT (U/L)	5.1	7 - 56
AST (U/L)	20.53	10 - 40

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