



Clinical Laboratory Report		Laboratory No: LAB-2025-12-4587
Patient: Michael R. Thompson Sex: Male Age: 55	Requesting Physician: Dr. Joan Carles Vilanova Busquets	Request Date: 11/12/2025 Reception Date: 11/12/2025 Report Date: 15/12/2025

Erythrocyte Series

Test	Result	Units	Reference Range
Erythrocytes (RBC)	4.9	$\times 10^6/\mu\text{L}$	4.5–5.9
Hemoglobin	14.8	g/dL	13.5–17.5
Hematocrit	44	%	41–53
Mean Corpuscular Volume (MCV)	90	fL	80–96
Mean Corpuscular Hemoglobin (MCH)	30	pg	27–33
Red Cell Distribution Width (RDW)	12.8	%	11.5–14.5

Leukocyte Series

Test	Result	Units	Reference Range
Leukocytes (WBC)	6.8	$\times 10^3/\mu\text{L}$	4.0–10.0
Neutrophils	58	%	40–70
Lymphocytes	30	%	20–45
Monocytes	7	%	2–10
Eosinophils	4	%	1–6
Basophils	1	%	0–2



Platelet Series

Test	Result	Units	Reference Range
Platelets	250	$\times 10^3/\mu\text{L}$	150–400
Mean Platelet Volume (MPV)	9.8	fL	7.5–11.5

Biochemistry

Test	Result	Units	Reference Range
Glucose (Fasting)	92	mg/dL	70–99
Total Cholesterol	180	mg/dL	<200
Triglycerides	120	mg/dL	<150
HDL Cholesterol	52	mg/dL	>40
LDL Cholesterol	105	mg/dL	<130

Electrolytes

Test	Result	Units	Reference Range
Sodium (Na^+)	140	mmol/L	135–145
Potassium (K^+)	4.2	mmol/L	3.5–5.1
Chloride (Cl^-)	102	mmol/L	98–107



Liver Function Tests

Test	Result	Units	Reference Range
AST (GOT)	22	U/L	10–40
ALT (GPT)	25	U/L	7–56
Alkaline Phosphatase	85	U/L	44–147
Total Bilirubin	0.8	mg/dL	0.1–1.2

Prostate Study

Test	Result	Units	Reference Range
PSA (Prostate-Specific Antigen)	12.4	ng/mL	<4.0