

LABX

Blood Biomarker Report

Lipid Panel

Biomarker	Value	Reference Range	Notes
Total Cholesterol	219 mg/dL	<200 mg/dL	Borderline high
LDL Cholesterol (Bad)	143 mg/dL	<100 mg/dL optimal	Elevated; needs dietary and exercise focus
HDL Cholesterol (Good)	52 mg/dL	>40 mg/dL (men)	Protective
Triglycerides	138 mg/dL	<150 mg/dL	Normal
Non-HDL Cholesterol	167 mg/dL	<130 mg/dL	Slightly elevated
LDL/HDL Ratio	2.75	Ideal <3.5	Within normal limits

Cardiovascular Risk Panel

Biomarker	Value	Reference Range	Notes
High-sensitivity CRP (hs-CRP)	3.1 mg/L	<1.0 mg/L low risk	Elevated; indicates systemic inflammation
Homocysteine	10.6 $\mu$ mol/L	5.0–15.0 $\mu$ mol/L	Normal, but closer to optimal (<9) advised
ApoB (Apolipoprotein B)	102 mg/dL	<90 mg/dL (optimal)	Slightly elevated, linked to LDL particle number
Lp(a) (Lipoprotein a)	22 mg/dL	<30 mg/dL	Within normal range
Fibrinogen	390 mg/dL	200–400 mg/dL	High-normal; inflammation/coagulation marker