

— Cardiovascular Health

The circulatory system, also known as the cardiovascular system (CVS), is a vast network of organs and vessels that are responsible for the flow of blood, nutrients, oxygen, other gases, and hormones to and from cells. Without the circulatory system, the body would not be able to fight disease or maintain a stable internal environment like a proper temperature and pH, referred to as homeostasis. The cardiovascular system is made up of three independent systems that work together: the heart (cardiovascular), lungs (pulmonary) and arteries, veins, coronary and portal vessels (systemic).

[Hide](#)

Cholesterol & Triglycerides

— LARGE VLDL P
(nmol/L)

17

Range: <3.7

LARGE VLDL P
(nmol/L)



Result Comments

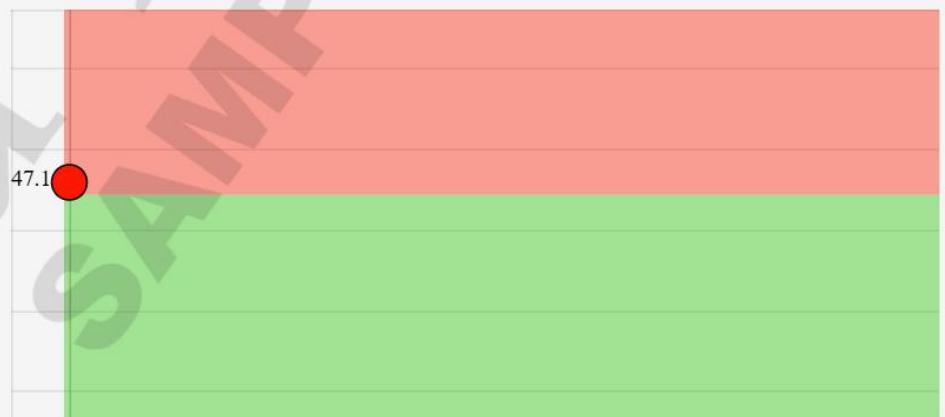
Relative risk: Optimal <3.7; Moderate 3.7-6.1; High >6.1 nmol/L. Reference range is <16.0 nmol/L.

— VLDL SIZE
(nm)

47.9 H

Range: <47.1

VLDL SIZE
(nm)



Result Comments

Relative risk: Optimal <47.1; Moderate 47.1-49.0; High >49.0 nm. Reference range is 41.1-61.7 nm.

HDL Particles

High density lipoprotein (HDL) particles are often referred to as good cholesterol, because they are associated with a decreased risk of developing cardiovascular disease.

HDL P
(umol/L)

37.2

Range: >32.8

HDL P
(umol/L)



Result Comments

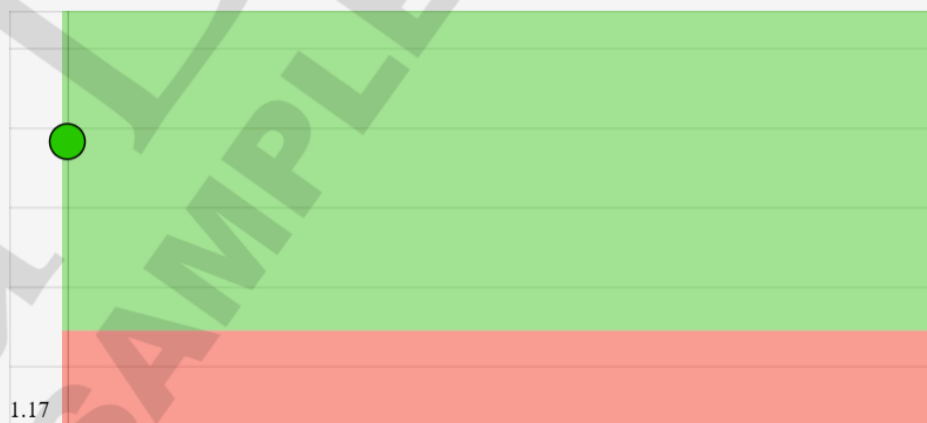
Relative risk: Optimal >32.8; Moderate 29.2-32.8; High <29.2 umol/L. Reference range is 21.1-43.4 umol/L.

LARGE HDL P
(umol/L)

19.1

Range: >7.2

LARGE HDL P
(umol/L)



Result Comments

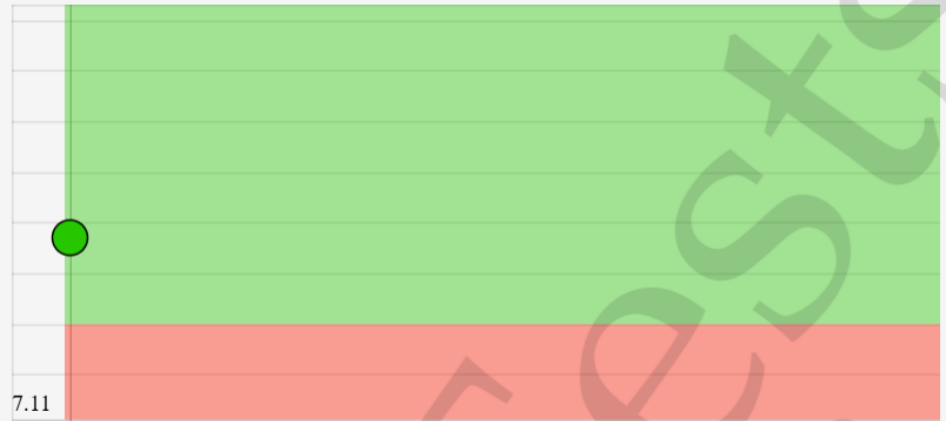
Relative risk: Optimal >7.2; Moderate 5.3-7.2; High <5.3 umol/L. Reference range is >3.5 umol/L.

HDL SIZE
(nm)

10.7

Range: >22

HDL SIZE (nm)



Result Comments

Relative risk: Optimal >9.0; Moderate 8.7-9.0; High <8.7 nm. Reference range is 8.3-10.5 nm.

LDL Particles

Low-density lipoprotein particle (LDL-P) testing evaluates LDL particles according to their number, size, density, and/or electrical charge. Low-density lipoproteins (LDL) are particles that transport ... [See more](#)

LDL P
(nmol/L)

1204 H

Range: <935

LDL P (nmol/L)



Result Comments

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Cardiometabolic Center of Excellence at Cleveland HeartLab. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes. Relative risk: Optimal <935; Moderate 935-1816; High >1816 nmol/L. Reference range is 592-2404 nmol/L.

SMALL LDL P
(nmol/L)

<154

Range: <467

SMALL LDL P
(nmol/L)



Result Comments

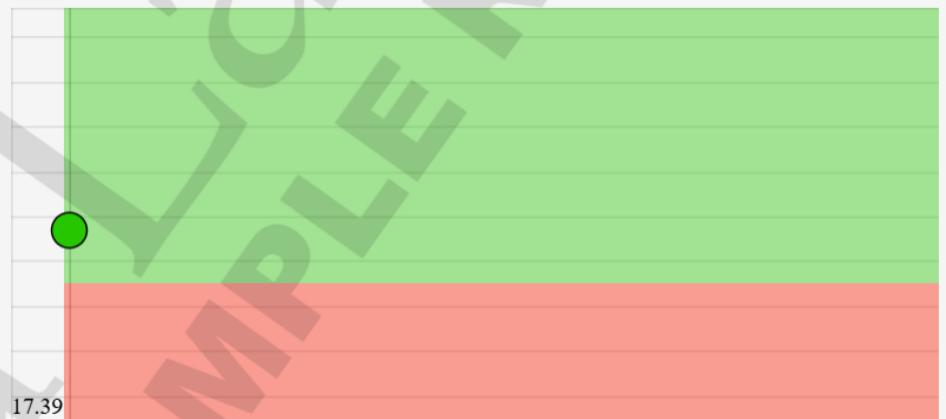
Relative risk: Optimal <467; Moderate 467-820; High >820 nmol/L. Reference range is <1408 nmol/L.

LDL SIZE
(nm)

21.7

Range: >20.5

LDL SIZE
(nm)



Result Comments

Relative risk: Optimal >20.5; High <20.6 nm. Reference range is 20.0-22.3 nm.