

Patient Information	Specimen Information	Client Information

### Cardio IQ®

Test Name	Current		Risk/Reference Interval			Units	Historical
	Result & Risk		Optimal	Moderate	High		Result & Risk
	Optimal	Non-Optimal					
LIPOPROTEIN FRACTIONATION NMR							
LDL P		1204	<935	935-1816	>1816	nmol/L	
SMALL LDL P	<154		<467	467-820	>820	nmol/L	
LDL SIZE	21.7		>20.5	NA	<20.6	nm	
HDL P	37.2		>32.8	29.2-32.8	<29.2	umol/L	
LARGE HDL P	19.1		>7.2	5.3-7.2	<5.3	umol/L	
HDL SIZE	10.7		>9.0	8.7-9.0	<8.7	nm	
LARGE VLDL P	1.7		<3.7	3.7-6.1	>6.1	nmol/L	
VLDL SIZE		47.9	<47.1	47.1-49.0	>49.0	nm	

For details on reference ranges please refer to the reference range/comment section of the report.

SPECIMEN:

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## Reference Range/Comments

Analyte Name	In Range	Out Range	Reference Range	Lab
LDL P		1204	<935 nmol/L	
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.				
VLDL SIZE		47.9	<47.1 nm	
Relative risk: Optimal <47.1; Moderate 47.1-49.0; High >49.0 nm. Reference range is 41.1-61.7 nm.				
HDL P	37.2		>32.8 umol/L	
Relative risk: Optimal >32.8; Moderate 29.2-32.8; High <29.2 umol/L. Reference range is 21.1-43.4 umol/L.				
HDL SIZE	10.7		>9.0 nm	
Relative risk: Optimal >9.0; Moderate 8.7-9.0; High <8.7 nm. Reference range is 8.3-10.5 nm.				
LARGE HDL P	19.1		>7.2 umol/L	
Relative risk: Optimal >7.2; Moderate 5.3-7.2; High <5.3 umol/L. Reference range is >3.5 umol/L.				
LARGE VLDL P	1.7		<3.7 nmol/L	
Relative risk: Optimal <3.7; Moderate 3.7-6.1; High >6.1 nmol/L. Reference range is <16.0 nmol/L.				
LDL SIZE	21.7		>20.5 nm	
Relative risk: Optimal >20.5; High <20.6 nm. Reference range is 20.0-22.3 nm.				
SMALL LDL P	<154		<467 nmol/L	
Relative risk: Optimal <467; Moderate 467-820; High >820 nmol/L. Reference range is <1408 nmol/L.				

SPECIMEN: