

OTHER DETAIL

Test Name	Results	Result from	Reference Range/Comments
Total Particles			Lab: EZ
HDL	20059		21837-45671 nmol/L
NON-HDL	2655		1485-2986 nmol/L
HDL Particle Subfractions			Lab: EZ
SMALL	15603		17503-35394 nmol/L
LDL Particle Subfractions			Lab: EZ
VERY SMALL-d	91		88-187 nmol/L
VERY SMALL-c	84		86-203 nmol/L
VERY SMALL-b	79		73-236 nmol/L
VERY SMALL-a	116		49-249 nmol/L
LARGE-b	309		123-332 nmol/L
LARGE-a	351		123-402 nmol/L

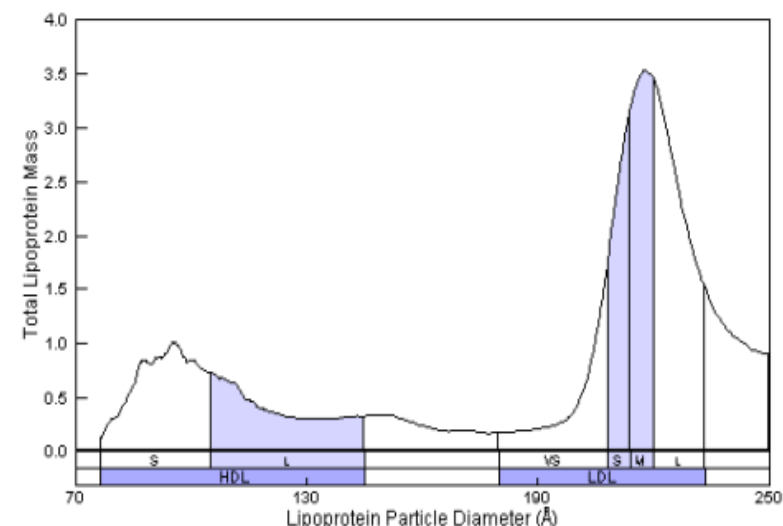
IDL Particle Subfractions			Lab: EZ
SMALL	283		93-225 nmol/L
LARGE	264		152-319 nmol/L

VLDL Particle Subfractions			Lab: EZ
SMALL	35		57-124 nmol/L
MEDIUM	27		42-110 nmol/L
LARGE	3		9-36 nmol/L

Reference Range/Comments

Analyte Name	Reference Range	Comments
LDL PARTICLE NUMBER	1016-2185 nmol/L	Risk: Optimal <1260; Moderate 1260-1538; High >1538
LDL SMALL	123-441 nmol/L	Risk: Optimal <162; Moderate 162-217; High >217
LDL MEDIUM	167-465 nmol/L	Risk: Optimal <201; Moderate 201-271; High >271
HDL LARGE	4334-10815 nmol/L	Risk: Optimal >9386; Moderate 9386-6996; High <6996
LDL PATTERN	A Pattern	Risk: Optimal Pattern A; High Pattern B
LDL PEAK SIZE	> OR = 218.2 Angstrom	Risk: Optimal >222.5; Moderate 222.5-218.2; High <218.2 Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on adult U.S. reference population. Association between lipoprotein subfractions and cardiovascular events is based on Musunuru et al. ATVB. 2009;29:1975. This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

LIPID SUBCLASS DETAIL FROM ION MOBILITY



Test Name	Units	Result and Risk Category			Result from	Risk Category Ranges		
		Optimal	Moderate	High		Optimal	Moderate	High

Lipoprotein Subfractions								Lab: E
LDL PATTERN	Pattern			B		A	N/A	B
LDL PEAK SIZE	Angstrom			217.4		>222.5	222.5-218.2	<218.2

Cardio IQ®

Test Name	Units	Result and Risk Category			Result from	Risk Category Ranges		
		Optimal	Moderate	High		Optimal	Moderate	High

Lipoprotein Subfractions								Lab: E
LDL PARTICLE NUMBER	nmol/L			2043		<1260	1260-1538	>1538
LDL SMALL	nmol/L			419		<162	162-217	>217
LDL MEDIUM	nmol/L			594		<201	201-271	>271
HDL LARGE	nmol/L			4456		>9386	9386-6996	<6996