



**Patient Details**

Ms Sample Report  
 Genova Diagnostics Europe Ltd  
 Parkgate House  
 356, West Barnes Lane  
 New Malden  
 Surrey  
 KT3 6NB

**Practitioner Details**

Genova Diagnostics ( Europe )  
 Parkgate House  
 356 West Barnes Lane  
 New Malden  
 KT3 6NB

Client ID No: IWX500220  
 Accession No: A010000  
 Patients DOB: 16/07/1973  
 Sample Date & Time:  
 Date Of Report: 19/07/2010 12:48

**Lipid Markers**

Cholesterol	Result	Reference Range	Particle Conc. & Size by NMR	Result	Reference Range
LDL-Cholesterol	3.10 H	< 2.59 mmol/L	LDL-Particle # (LDL-P)	1,420 H	< 1000 nmol/L
HDL-Cholesterol	0.85 L	> 1.27 mmol/L	HDL-Particle # (HDL-P)	23.1 L	>34.9 µmol/L*
Triglycerides	1.06	< 1.69 mmol/L	LDL-Size	20.0	23.0 - 20.6* (Large Pattern A) 20.5 - 19.0* (Small Pattern B)
Total Cholesterol	4.45	< 5.17 mmol/L	Lipoprotein(a)	2.14 H	< 1.07 µmol/L

**Independent Risk Factors**

Analyte	Result	Reference Range	Relative Risk for Cardiovascular Disease
hs-CRP	0.54	< 1.00 mg/L	1.0
Lp-PLA <sub>2</sub>	134	< 200 ng/mL	1.0
Fibrinogen	8.2	5.8-12.9 µmol/L	1.0
Homocysteine	8.7	3.0-10.0 µmol/L	1.0

**Insulin Resistance Score by Lipid Fractionation**

0 ——— <27 IR-Score\* ——— 100

Insulin Resistance Score: 47.0

HDLL	LDLs	VLDLL	HDL Size	LDL Size	VLDL Size
1.4	993	<0.7	8.4	20.0	39.3
>7.3 µmol/L*	<117 nmol/L*	<0.9 nmol/L*	>9.6 nm*	>21.2 nm*	<42.4 nm*

The Insulin Resistance Score combines Small LDL-Particle#, LDL Size, Large VLDL-Particle#, VLDL Size, Large HDL-Particle# and HDL Size to assess insulin resistance and diabetes risk.

### Key Guide

-  Optimal
-  Borderline
-  Abnormal

**Percentile Apply to Biomarkers indicated with \* and are performed using NMR technology.**

**Optimal** : Either 0-25th or 75-100th percentile based on reference populations.

**Borderline** : 25-75th Percentile.

**Abnormal** : Inverse of Optimal (0-25th or 75-100th percentile distribution).

### Commentary

Empty box for commentary.