

**TEST PATIENT**

Sample Test Name
 Sex : F
 Date Collected : 00-00-0000

TEST PHYSICIAN

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LAB ID: 00000000 UR#:0000000**MICRO SAMPLE ASSAYS****BLOOD SPOT****Cardiovascular Profile, BS**

	Result	Range	Units	
Cholesterol BS	6.3*H	0.0 - 5.5	mmol/L	
Triglycerides, BS	0.8	< 1.5	mmol/L	
HDLc, BS	2.0	1.2 - 2.6	mmol/L	
LDLc, BS	3.9*H	0.5 - 3.5	mmol/L	
VLDL, BS	0.4	< 0.6	mmol/L	
Glycosylated Hb, BS	5.1	4.4 - 5.6	%	
Sensitive CRP, BS	5.1*H	0.0 - 3.0	mg/L	
Insulin Fasting, BS	2.6	0.0 - 17.0	uIU/ml	

Micro Sample CVD Comments:**CHOLESTEROL COMMENT:**

For secondary prevention, total cholesterol Treatment Target is <4.0 mmol/L
 Triglycerides Treatment Target <2.0 mmol/L
 HDL Treatment Target Value >1.0 mmol/L

LDL-CHOLESTEROL COMMENT:

As there is an elevated LDL level, we suggest a Liposcreen (LDL Subfractions) Test to determine the presence of small, dense (highly atherogenic) LDLs which are a primary cause of Coronary Artery Disease (CAD).
 The LDL subtypes are not detectable through conventional Lipid Profiles.

GLYCOSYLATED HAEMOGLOBIN COMMENT:

The goal of diabetes therapy should be a glycated haemoglobin (HbA1c) level of <7%.
 The treatment level should be re-evaluated if the HbA1c level is > 8%.

HIGH SENSITIVE C-REACTIVE PROTEIN:

C-reactive protein (CRP) is a long established marker of inflammation, but more recently has been suggested to be an important contributor to pro-inflammatory and pro-thrombotic elements of CVD risk.
 In the acute inflammatory state, extremely high levels are seen in the standard CRP test.

However, the small elevations that are indicative of the pro-inflammatory and pro-thrombotic states implicated in the Metabolic Syndrome require the high sensitivity C-Reactive Protein assay which have recently been developed for use in blood spot technology.

ELEVATED hsCRP:

This result is deemed elevated in the context of cardiovascular disease, and not relative to inflammation.

(*) Result outside normal reference range

(H) Result is above upper limit of reference rang