



NOTICE: Feb 8, 2010

Dear Valued Clients:

Foundation Laboratory is pleased to announce that effective February 8, 2010 the FDA-approved Quantimetrix LDL Fractionation “Lipoprint” (CPT 83701) has been added to in-house test menu. The Lipoprint System is a high resolution diagnostic test for cholesterol components which are not routinely tested by other methods. The Lipoprint test provides detailed results regarding the Lipoprotein subfractions of low density lipoproteins (LDL). **Lipoprint is the "Fingerprint" of your LDL.** LDL subfractions provide a more in-depth assessment of CAD risk while the commonly performed total LDL cholesterol test gives limited information. Testing LDL subfractions is important because these particles have been associated with increased risk of CAD, even when the total level of LDL cholesterol is "normal." These LDL particles are taken up by cells in the blood vessel wall and can be oxidized. This can lead to plaque buildup or coronary artery disease (CAD).

- Basic principle: The Lipoprint system is a gel electrophoresis method. After the completion of the electrophoresis, the gel tubes are scanned and the data is then exported to a computer and graphically analyzed. The program provides a graphical representation of the lipoproteins and the subfractions present in each sample. Large LDL subclasses 1 and 2 are the “good or normal” LDL that are responsible for the transport of cholesterol throughout the body
- Small LDL subclasses 3 through 7 are “bad or abnormal” that are easily oxidized and promote cardiovascular disease

The specimen requirement:

- Fasting; Two (2) to Three (3) mL of serum or EDTA plasma specimens. (No food for 12 hours prior to this test)
- Blood should be collected in SST® Serum Separation Tubes or EDTA Lavender tubes.
- Testing Criteria: fasting cholesterol of ≥ 100 mg/dl)
- Interpretation: Type A: Normal profile.....Non-Type A: Abnormal

For supplies and other needs please make sure to contact your Foundation Laboratory representative.

Sincerely;

J. Kermani, MSMT (ASCP, NCA), Ph.D.
Director of Technical Operations