

# Laboratory Bulletin

Important News from DCL Medical Laboratories



January 26, 2011

## DCL adds NMR LipoProfile order choice without Insulin Resistance Markers

On Wednesday, February 2, DCL Medical Laboratories will add the order choice NMR LipoProfile w/o IR Markers [990728] to our test menu. Clients who choose this test will receive the standard NMR LipoProfile, but the report will not contain the lengthy individual insulin resistance marker scores (large VLDL-P, Irge HDL-P, VLDL size, HDL size). The report will include the summary Insulin Resistance Diabetic Risk Score. Clients who wish to receive a report that includes the IR marker detail may continue to order NMR LipoProfile w/IR Markers [990437].

NMR LipoProfile testing® will continue to be performed by Liposcience in Raleigh, North Carolina, however DCL will now route all of this testing through LabCorp.

The NMR LipoProfile® is an advanced cardiovascular diagnostic test developed by LipoScience that uses nuclear magnetic resonance (NMR) spectroscopy to uniquely provide rapid, simultaneous and direct measurement of LDL particle number and size of LDL particles, as well as direct measurement of HDL and VLDL subclasses. This detailed lipoprotein particle information allows clinicians to make more effective individualized treatment decisions than those based on standard lipid panel testing alone. The profile includes insulin resistance calculation; lipoprotein particle number; lipoprotein subfractions; and the standard lipid panel (total cholesterol, LDL cholesterol, HDL cholesterol, triglycerides).

Specimen collection and ordering information for this testing appears below, as well as in LabCorp's online test menu at [www.labcorp.com](http://www.labcorp.com). If you have any questions, please contact DCL Client Services at (317) 874-1334 or toll free at (866) 874-1334.

### NMR Lipoprofile w/o IR Markers

**DCL Test Code:** 990728

**LabCorp Test Code:** 884247

**CPT Code:** 80061; 83704

**Collection Container:** NMR LipoTube (black and yellow-top tube) or plain red-top tube

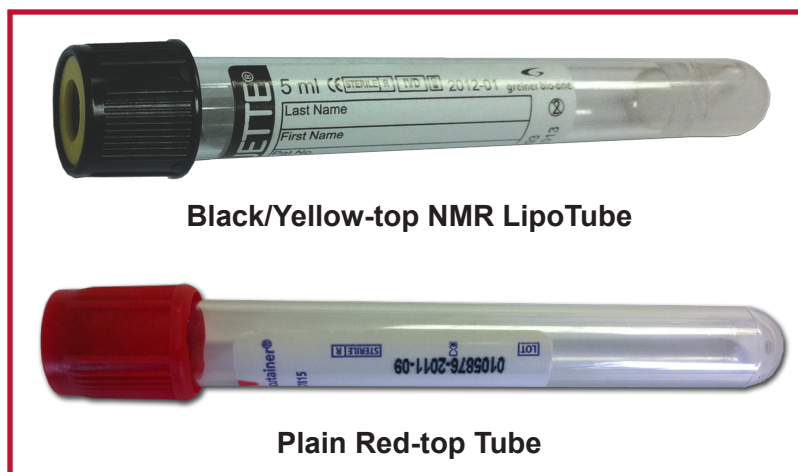
**Specimen:** Preferred amount: 2 mL;  
Minimum amount: 1 mL

**Instructions:** Patient should be fasting 12 to 14 hours. Gently invert tube to mix contents and allow specimen to clot for 30 minutes before centrifugation. Specimen should be kept refrigerated and centrifuged within 24 hours of collection. Centrifuge specimen for 15 minutes at 3000 rpm. Do not freeze and do not store at room temperature. Do not open NMR LipoTube. Pipette separated serum from plain red-top tube to a plastic transport tube.

**Transport Temperature:** 4 days refrigerated; Do not freeze.

**Rejection Criteria:** Unspun LipoTube or unseparated plain red-top tube; gross hemolysis; frozen specimen; specimen stored at room temperature; EDTA plasma.

**Limitations:** If triglyceride level is > 400 mg/dL, LDL cholesterol will not be calculated.



**Black/Yellow-top NMR LipoTube**

**Plain Red-top Tube**

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**NMR Lipoprofile w/ IR Markers****DCL Test Code:** 990437**LabCorp Test Code:** 884000**CPT Code:** 80061; 83704**Collection Container:** NMR LipoTube (black and yellow-top tube) or plain red-top tube**Specimen:** Preferred amount: 2 mL; Minimum amount: 1 mL**Instructions:** Patient should be fasting 12 to 14 hours. Gently invert tube to mix contents and allow specimen to clot for 30 minutes before centrifugation. Specimen should be kept refrigerated and centrifuged within 24 hours of collection. Centrifuge specimen for 15 minutes at 3000 rpm. Do not freeze and do not store at room temperature. Do not open NMR LipoTube. Pipette separated serum from plain red-top tube to a plastic transport tube.**Transport Temperature:** 4 days refrigerated; Do not freeze.**Rejection Criteria:** Unspun LipoTube or unseparated plain red-top tube; gross hemolysis; frozen specimen; specimen stored at room temperature; EDTA plasma.**Limitations:** If triglyceride level is > 400 mg/dL, LDL cholesterol will not be calculated.