Excellence in Pathology and Laboratory Services

Resulting EMR Accounts Update

From Your Laboratory Service Provider, PathGroup Labs

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Change effective December 30, 2009

Overview and Clinical Utility:

Effective December 30, 2009, PathGroup Laboratory added the *Non-HDL Cholesterol, VLDL cholesterol and LDL/HDL ratio* to Lipid profiles to aid in the determination of cardiovascular risk factors. The Non-HDL cholesterol measurement (calculated as total cholesterol minus HDL cholesterol) provides a single index of all LDL, VLDL, IDL, and lipoprotein (a). Elevated Non-HDL cholesterol signifies increased CVD (cardiovascular disease) risk even if LDL cholesterol levels are at or below "normal" levels.

Test Methodology:

Calculation

Ordering:

Test:	Test Name:	CPT:	LOINC:
LIPID	**Lipid Panel**	**80061**	
NHDL	**Non-HDL Cholesterol**		**43396-1**
VLDLC	**VLDL Cholesterol**		**2091-7**
LHDLR	**LDL/HDL Ratio**		**11054-4**

Reference Range:

Non-HDL Cholesterol	0 – 129 mg/dL
VLDL Cholesterol Calculated	5 – 40 mg/dL
LDL/HDL Ratio	0 – 3.2 Ratio

Specimen Collection and Storage:

1) Collect specimen in a serum separator tube.
   a) Allow serum tube to clot for 30 minutes.
   b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
2) Serum specimens are stable refrigerated for 7 days or frozen for 30 days.

Test Performed:

Sunday - Saturday

Turnaround time:

24 Hours

References:

American Diabetes Association; Peters M.D., Anne L.; *Clinical Relevance of Non-HDL Cholesterol in Patients with Diabetes;* Diabetes Journal, 2009

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227