MAYO CLINIC
Mayo Medical Laboratories

REFERENCE VALUE CHANGE
NOTIFICATION DATE: October 20, 2011
EFFECTIVE DATE: November 18, 2011

Calculated LDL

Test ID: CLDL
Secondary ID: #7973

EXPLANATION: Effective November 18, 2011, MML will implement new age-related reporting comments to supplement existing reference values. No other changes will occur at this time.

CAUTION: This is not a stand alone test and can only be accessed by ordering unit code #8053, Lipid Panel.

CURRENT REFERENCE VALUES:	NEW REFERENCE VALUES:
LDL Cholesterol (LDLC) is calculated from Serum Cholesterol (SC), Serum Triglycerides (ST), and HDL Cholesterol (HDLC) according to the following formula by Friedewald, et al: LDLC = SC - HDLC - ST/5 Such an arithmetic estimate should be reliable when ST is no greater than 400 mg/dL; however, when ST is greater than 400 mg/dL, the arithmetic estimate may be in error by 20 mg or more per dL as frequently as in 25 percent of cases. The National Cholesterol Education Program (NCEP) has set the following guidelines (reference values) for LDL cholesterol: Optimal: <100 mg/dL Low risk: 100-129 mg/dL Borderline high: 130-159 mg/dL High: 160-189 mg/dL Very high: > or = 190 mg/dL	The National Cholesterol Education Program (NCEP) has set the following guidelines for lipids (total cholesterol, triglycerides, HDL, and LDL cholesterol) in adults ages 18 and up: LDL CHOLESTEROL Optimal: <100 mg/dL Near Optimal: 100-129 mg/dL Borderline high: 130-159 mg/dL High: 160-189 mg/dL Very high: > or =190 mg/dL The National Cholesterol Education Program (NCEP) and National Health and Nutrition Examination Survey (NHANES) has set the following guidelines for lipids (total cholesterol, triglycerides, HDL, and LDL cholesterol) in children ages 2-17: LDL CHOLESTEROL Desirable: <110 mg/dL Borderline high: 110-129 mg/dL High: > or =130 mg/dL

NOTE: This change may impact test set-up information and could require a change to file definition. Please review the Test Set-Up information for specifics.

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
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