MAYO CLINIC
Mayo Medical Laboratories

REFERENCE VALUE CHANGE
NOTIFICATION DATE: October 28, 2011
EFFECTIVE DATE: November 18, 2011

Lipoprotein Metabolism Profile
Test ID: LMPP
Secondary ID: # 83673

EXPLANATION: MML will implement new age-related reporting comments to supplement existing reference values. Pediatric (2-17yrs) and adult (≥18yrs) lipid ranges will be included for the following analytes in this profile: Cholesterol, Triglycerides, HDL Cholesterol, LDL Cholesterol, and VLDL Triglycerides.

CURRENT REFERENCE VALUES: The National Cholesterol Education Program (NCEP) previously set guidelines for lipids:	**NEW REFERENCE VALUES**: The National Cholesterol Education Program (NCEP) has updated the following guidelines for lipids. **Pediatric (24M-17yrs):**	**NEW REFERENCE VALUES**: The National Cholesterol Education Program (NCEP) has updated the following guidelines for lipids. **Adults (≥18yrs):**
TOTAL CHOLESTEROL Desirable: <200 mg/dL Borderline high: 200-239 mg/dL High cholesterol: ≥240 mg/dL	**TOTAL CHOLESTEROL** Desirable:<170 mg/dL Borderline high: 170-199 mg/dL High: ≥200 mg/dL	**TOTAL CHOLESTEROL** Desirable: <200 mg/dL Borderline high: 200-239 mg/dL High: ≥240 mg/dL
TRIGLYCERIDES Normal triglyceride: <150 mg/dL Borderline high: 150-199 mg/dL High: 200-499 mg/dL Very high: ≥500 mg/dL	**TRIGLYCERIDES** Normal: <90 mg/dL Borderline high: 90-129 mg/dL High: ≥130 mg/dL	**TRIGLYCERIDES** Normal: <150 mg/dL Borderline high: 150-199 mg/dL High: 200-499 mg/dL Very high: ≥500 mg/dL
APOLIPOPROTEIN B ≥18 yrs: 48-124 mg/dL	**APOLIPOPROTEIN B** Range Not Established	**APOLIPOPROTEIN B** Desirable: 48-124 mg/dL
HDL CHOLESTEROL Low HDL: <40 mg/dL Normal: 40-60 mg/dL Desirable: >60 mg/dL	**HDL CHOLESTEROL** Low: <40 mg/dL Borderline Low: 40-59 mg/dL Normal: ≥60 mg/dL	**HDL CHOLESTEROL** Low: <40 mg/dL Normal: 40-60 mg/dL Desirable: ≥60 mg/dL
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: ≥190 mg/dL	**LDL CHOLESTEROL** Desirable: <110 mg/dL Borderline high: 110-129 mg/dL High: ≥130 mg/dL	**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: ≥190 mg/dL
LDL TRIGLYCERIDES Desirable: ≤50 mg/dL	**LDL TRIGLYCERIDES** Desirable: ≤50 mg/dL	**LDL TRIGLYCERIDES** Desirable: ≤50 mg/dL
VLDL CHOLESTEROL Desirable: <30 mg/dL	**VLDL CHOLESTEROL** Desirable: <30 mg/dL	**VLDL CHOLESTEROL** Desirable: <30 mg/dL

VLDL TRIGLYCERIDES Desirable:<120 mg/dL **BETA-VLDL CHOLESTEROL** Desirable: <15 mg/dL **BETA-VLDL TRIGLYCERIDES** Desirable: <15 mg/dL **CHYLOMICRON CHOLESTEROL** Desirable: Undetected **CHYLOMICRON TRIGLYCERIDES** Desirable: Undetected **Lp(a) CHOLESTEROL** Desirable: <3 mg/dL **LpX** Desirable: Undetected	**VLDL TRIGLYCERIDES** Desirable:<90 mg/dL **BETA-VLDL CHOLESTEROL** Desirable: <15 mg/dL **BETA-VLDL TRIGLYCERIDES** Normal: <15 mg/dL **CHYLOMICRON CHOLESTEROL** Desirable: Undetected **CHYLOMICRON TRIGLYCERIDES** Desirable: Undetected **Lp(a) CHOLESTEROL** Desirable: <3 mg/dL **LpX** Desirable: Undetected	**VLDL TRIGLYCERIDES** Desirable:<120 mg/dL **BETA-VLDL CHOLESTEROL** Desirable: <15 mg/dL **BETA-VLDL TRIGLYCERIDES** Normal: <15 mg/dL **CHYLOMICRON CHOLESTEROL** Desirable: Undetected **CHYLOMICRON TRIGLYCERIDES** Desirable: Undetected **Lp(a) CHOLESTEROL** Desirable: <3 mg/dL **LpX** Desirable: Undetected

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 at http://www.mayomedicallaboratories.com/test-notifications/index.html

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
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