



A Member of Cayuga Health System

## Laboratory Technical Bulletin

**Date:** October 12, 2017

**Effective Date:** October 12, 2017

**Title:** Lipid Profile will auto reflex a Directly Measured LDL when Triglyceride is >400 mg/dL

**Test:** Directly Measured LDL auto reflex

**Explanation of change:** LDL, when ordered as part of the lipid profile, is a calculated result. The calculation utilizes the directly measured total cholesterol, HDL and triglyceride values. Due to the mathematical limitations of the equation, LDL cannot be accurately calculated when triglyceride value is >400mg/dl. A directly measured LDL now will be reflex ordered in these cases.

	<b>Calculated LDL</b>	<b>Directly Measure LDL</b>
<i>Perform Site</i>	CMC Lab	CMC Lab
<i>Method</i>	Calculation	Beckman AU 680
<i>Test Code</i>	LDLC	DLDL
<i>Reference Range</i>	>18 yrs: Desirable: <100 mg/dL Above Desirable: 100–129 Borderline high: 130–159 High: 160–189 Very high: >189  2-18 yrs: Desirable: <110 Borderline High: 110-129 High: >129	>18 yrs: Desirable: <100 mg/dL Above Desirable: 100–129 Borderline high: 130–159 High: 160–189 Very high: >189  2-18 yrs: Desirable: <110 Borderline High: 110-129 High: >129
<i>Specimen</i>	SST, (PST – main campus only)	SST, (PST – main campus only)
<i>Volume Required</i>	6 mL	6 mL
<i>Turnaround time</i>	Monday through Sunday; Continuously	Monday through Sunday; Continuously

Date 10/12/17

Dr. Daniel Sudilovsky, Laboratory Medical Director

Date 10-13-17

Toni Burger, Laboratory Administrative Director