

LAB102 Cholesterol, LDL (Direct Measurement)

BMC

Performing Location(s)

BMC

Specimen Type

Serum or Plasma

Preferred Container

Gold or Red top tube

Alternate Container

Green top tube

Minimum Volume to Submit for Testing

0.5 mL Serum/Plasma

Multiple test can be performed from this volume.

For question please contact the lab at 547-3975.

Storage Requirements

Sample tubes should be centrifuged within 2 hour of collection followed by transfer of the serum (red) or plasma (green top) to a labeled plastic, aliquot tube.

Gold tops do not need to be aliquoted.

See Causes of Rejection for temperature requirements.

Transportation Needs

Deliver specimen to laboratory within 1 hour of collection if unspun.

If not possible see "storage Requirements".

Causes for Rejection

Mislabeled or unlabeled specimen

Less than 50% draw for vacutainer tubes

> 5 days refrigerated

> 24 hours room temperature

> 3 months frozen

No add-ons to plasma

Hemolysis > 500 mg/dL HgB

Lipemia > 900 mg/dL Trig

Bilirubin > 40 mg/dL Bili

Reference Values

Risk Classification (NCEP III Guidelines)
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The National Cholesterol Education Program Adult Treatment Panel III (NCEP- ATP III) provides the following classifications of LDL concentrations:						
>18 Years of Age						
Parameter	Units	Range	Desirable	Borderline	High Risk	Very High
LDL Cholesterol	mg/dL	<100 Optimal 50-130 Near Optimal	< 130	130 - 159	160 - 189	≥190
≤ 18 Years of Age						
Parameter	Units	Range	Desirable	Borderline	High	
LDL Cholesterol	mg/dL	50 - 110	< 110	110 - 129	≥ 130	

Available STAT

No

Methodology

Beckman AU/Dx Series

CPT Code

83721