Lab Dept:	**Chemistry**
Test Name:	**CHOLESTEROL**

General Information

Lab Order Codes:	CHOL
Synonyms:	N/A
CPT Codes:	82465 – Cholesterol, serum or whole blood, total
Test Includes:	Cholesterol concentration reported in mg/dL.

Logistics

Test Indications:	Useful for the evaluation of lipid status and metabolic disorders; elevated levels of cholesterol contribute to the tendency to develop atherosclerosis and coronary heart disease.
Lab Testing Sections:	Chemistry
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	2 hours
Special Instructions:	N/A

Specimen

Specimen Type:	Blood
Container:	Green top (Li Heparin) tube **preferred** Alternate tube: Red, marble or gold top tube
Draw Volume:	0.6 mL blood
Processed Volume:	0.2 mL serum/plasma
Collection:	Routine blood collection. Mix tubes containing anticoagulant by gentle inversion.

Special Processing: Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Analyze sample immediately or store at refrigerated temperatures.

Do Not use ultracentrifugation.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range:

Age:	**NCEP Range (mg/dL)**
0 – 17 years:	
Desirable	<170 mg/dL
Borderline	170 – 199 mg/dL
High:	≥200 mg/dL
≥18 years	
Desirable	<200 mg/dL
Borderline	200 – 239 mg/dL
High:	≥240 mg/dL

Critical Values: N/A

Limitations: Cholesterol concentration may be decreased if excess bilirubin is present in the patient sample.

Methodology: Enzymatic

References:

Siemens Dimension Vista CHOL Flex™ reagent cartridge instructions for Use, Siemens Healthcare Diagnostics Inc PN 781027.001 Rev E (2013-08-06)

Siemens Dimension Clinical Chemistry CHOL Flex™ reagent cartridge instructions for Use, Siemens Healthcare Diagnostics Inc, (2008-03-04), Rev I, 717027.001 - US

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition, p146

Biorad MultiQual Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

US Department of Health and Human Services, National Institutes of Health Publication #01-3305, May 2001

US Department of Health and Human Services, Summary Report of the Expert Panel on Integrated Guidelines for Cardiovascular Health and Risk Reduction in Children's and Adolescents

Mayo Medical Laboratories, online test catalog 1/6/2014

Updates: 2/8/2016: Update alt tube types