Welcome to the Clinical Laboratory Guide to Services Available on OneSource

Laboratory Contacts

Customer Service
293-8375
(Inpatients/Outpatients)

Pathology Results
293-5905

James Oncology
293-8616

Outreach Patients
293-9281

Click on “DEPTS. / SITES” → Clinical Labs

Outside Clients can visit us here:
clinicallabs.osumc.edu
Test Catalog: Cholesterol

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<th>Analyte</th>
<th>Cholesterol</th>
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<tr>
<td>Alternative Names</td>
<td>N/A</td>
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<tr>
<td>Test Code</td>
<td>CHOL</td>
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<tr>
<td>Lab(s)</td>
<td>CCL, RRL, MMMP, SSSCBC</td>
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Methodology / Reaction Type
Cholesterol esters in serum are hydrolyzed by cholesterol esterase (CHE). The free cholesterol produced is oxidized by cholesterol oxidase (COO) to cholest-4-en-3-one with the simultaneous production of hydrogen peroxide (H2O2), which oxidatively couples with 4-aminoantipyrine and phenol in the presence of peroxidase to yield a chromophore. The red quinoneimine dye formed can be measured spectrophotometrically at 540-600 nm as an increase in absorbance.

Instrument or Kit Manufacturer
Beckman

Units         mg/dl
Reference Ranges   19+ years: <200
Critical Values    N/A

Source of Reference Range
Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999

Technical Range / AMR
25-700

Reportable Range / CRM
25-2,100

Specimen Type / Tube Type
Mint Green (Plasma) or Gold SST (Serum)

Outreach Notes
2 ml, Serum-Plastic vial

Special Instructions
Patient should be fasting 12-14 hours.

Availability / TAT
M MMP and SSSCBC M-F 7:30a-4:30p
Expected TAT = 8 hours

Reference Ranges:
Describes reference intervals. Includes intervals based on age and sex as appropriate.

Critical Values:
Values at which the lab will contact the clinical team so that urgent treatment may be initiated if applicable.

Specimen Requirements:
Defines acceptable specimen type(s) and any other specimen requirements.

Availability / TAT:
Indicates location of the laboratory that performs the test and outlines the days/times the test is performed. Also defines expected turnaround time from specimen receipt until release of test result.