**Lab Dept:** Chemistry  

**Test Name:** C-REACTIVE PROTEIN (CRP)

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**General Information**

**Lab Order Codes:** CRP  

**Synonyms:** C-Reactive Protein Quantitative, Plasma or Serum; CRP  

**CPT Codes:** 86140 – C-reactive protein  

**Test Includes:** C-Reactive protein concentration reported in mg/dL.

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**Logistics**

**Test Indications:** C-Reactive protein is one of the acute phase proteins, the serum or plasma levels of which rise during a general, unspecific response to infections and non-infectious inflammatory processes such as rheumatoid arthritis, cardiovascular disease and peripheral vascular disease. CRP is synthesized in the liver and is normally present as a trace constituent of serum or plasma. In various disease states resulting in tissue injury, infection or inflammation, CRP values may rise above normal to 2 to 50 mg/dL within four to eight hours after an acute event. CRP provides useful information for the diagnosis, therapy, and monitoring of inflammatory diseases. Increases in CRP values are non-specific and should not be interpreted without complete clinical history.

**Lab Testing Sections:** Chemistry

**Phone Numbers:**  
MIN Lab: 612-813-6280  
STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 hours

**Special Instructions:** N/A

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**Specimen**

**Specimen Type:** Blood

**Container:** Green top (Li Heparin) tube preferred  
Alternate tube: Red, marble or gold top tube or Green (NaHep) 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 a plastic sample cup. Store at 20 – 25 degrees Centigrade for up to 8 hours, or 2 – 8 degrees Centigrade for up to 3 days.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range: All ages: < or =0.5 mg/dL

Critical Values: N/A

Limitations: This assay is not intended to assess cardiovascular risk.

Methodology: ABBOTT: Turbidimetric/Immunoturbidimetric


Bio-Rad Liquichek Lipids Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

Architect CRP Vario Pkg Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, August 2015

Updates: 7/14/2014: Method update
2/8/2016: Update alt tube types
10/18/2019: New backup instrumentation and related reference ranges
11/9/2020: Retired method VISTA, updated for method Alinity, container update