
Lab Dept: Chemistry

Test Name: C-REACTIVE PROTEIN (CRP)

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.

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

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 venipuncture. 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:	0 – 0.3 mg/dL
Critical Values:	N/A
Limitations:	This assay is not intended to assess cardiovascular risk.
Methodology:	Nephelometry, Siemens Dimension Vista
References:	Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition Bio-Rad Liquichek Lipids Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618 Siemens Dimension Vista CRP Reagent Flex Directions For Use (3/2011), Siemens Healthcare Diagnostics
Updates:	7/14/2014: Method update 2/8/2016: Update alt tube types