
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 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:	Reference ranges by Method:	
	Method Abbott	
	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
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 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