



## C-Reactive Protein (CRP) Diagnostic Kit



### Product Profile

CRP is an acute phase reactive protein formed in liver and widely spread in human body. It is mainly in blood and remains at very low level in healthy person. After inflammation, infection, injury or tumor occurs, CRP increase fast in 6~8 hours and reaches peak at 24~48 hours.

Recent studies suggest that CRP is also a strong predictor of future coronary events in apparently healthy subjects and of prognostic value in patients with acute coronary syndromes.

### Clinical Use of [CRP Test](#):

- ◆ To predict the occurrence and development of cardiovascular diseases and evaluate the degree of risk;
- ◆ To identify bacterial infection and viral infection, guide the use of antibiotics, monitor therapy;
- ◆ To monitor infection and predict postoperative complications;
- ◆ To monitor curative effects of statins;
- ◆ To diagnose the infection of neonatus

### Parameters

Specimen	Whole Blood/Serum/Plasma
Specimen volume	5 $\mu$ l
Cut off	1mg/ml
Linear range	1-200mg/ml
Precision	CV<15%
Accuracy	Relative deviation <20%
Interpretation time	5min

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Testing time	15s
Comparison	Compared with Siemens BN system, linear correlation R <sup>2</sup> =0.9451, with significant agreement.

### Reference Values and Meanings

	Item	Reference Value	Reference Meanings
hs-CRP	Cardiovascular Disease	<1.0mg/l	Low risk
		1.0-3.0mg/l	Moderate risk Test again after two weeks, observe the average value
		>3mg/l	High risk
	Neonatus	>3mg/l	Indicate infection
Regular CRP	Child	<10mg/l	Course of disease exceeds 6 to 12 hours, exclude bacterial infection, or bacteria is eliminated
		10-25mg/l	Indicates viral infection; if course of disease is still short, bacterial infection cannot be excluded.
		>25mg/l	Bacterial infection
	Adult	≥10mg/l	Indicates the possibility of other infection(bacterial infection or viral infection)
		10-20mg/l	Indicates viral infection or slight bacterial infection
		20-50mg/l	Indicates bacterial infection
		≥50mg/l	Indicates serious bacterial infection

### Application

Outpatient Clinic, Gynecology Dept, Department of Internal Medicine, Cardiology Dept, Health Examination Center, Pediatrics Dept, Surgery Dept, ICU