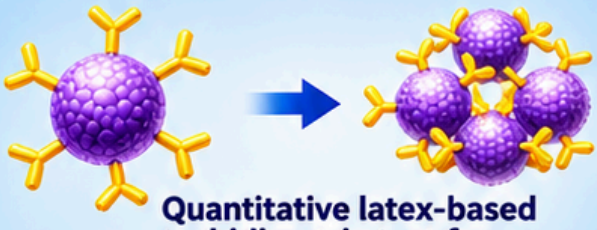
BIOBOON BIOTECH LLC

CRP-Turbilatex

Quantitative C-Reactive Protein (CRP) Test



Quantitative latex-based turbidimetric test for measurement of CRP in human serum.



PRINCIPLE

- Latex particles coated with specific anti-human CRP are agglutinated when mixed with samples containing CRP.
- The agglutination causes an absorbance change dependent upon the CRP contents of the patient samples that can be quantified by comparison from a calibrator of known CRP concentratiion.

ASSAY PROCEDURE

Pipette into test tubes

CAL		SAMPLE	
Standard	10 µL	Sample	10 µL
Reagent	1000 µL	Reagent	1000 µL

REAGENT COMPOSITION

- **Reagent 1 :** Tris buffer 20 mmol/L, pH 7.0; Sodium Azide 0.95 g/L.
- **Reagent 2 :** Latex particles coated with goat IgG anti-human CRP, pH 7.5.
- **CRP-CAL :** CRP concentration is stated on vial label.

CALCULATION

$$\text{CRP (mg/L)} = \frac{\text{(A2 – A1) Sample}}{\text{(A2 – A1) Calibrator}} \times \text{calibrator concentration}$$

SAFETY PRECAUTIONS AND WARNINGS

- For in vitro diagnostic use only.
- Do not pipette by mouth. Avoid contact with skin and eyes.
- Reagent contains Sodium Azide as a preservative. This may react with copper or lead plumbing to form explosive metal azides. Upon disposal, flush with large amounts of water to prevent azide build up.
- Do not use the reagent after the expiration date printed on the kit.

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