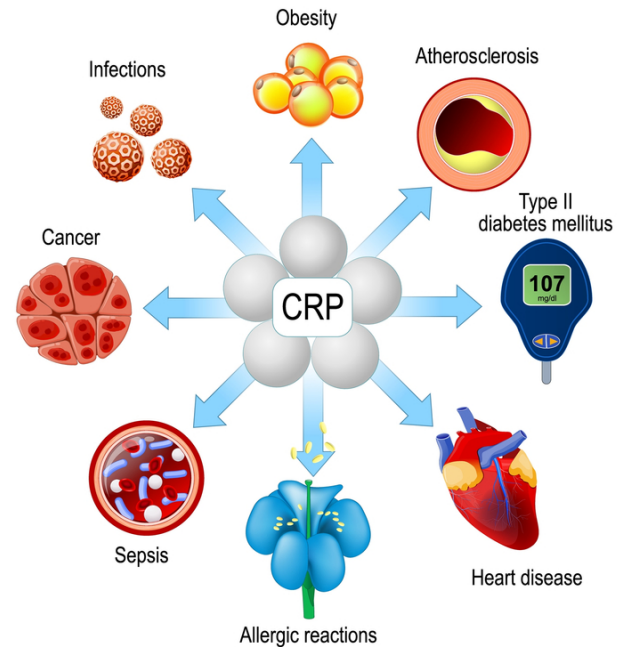


India's the most Reliable CRP Assay
with the High Linearity of 250 mg/L.

Command on Quality



High Q CRP-HL (High Linearity)
LETIA
Widest Measuring Range
0.5 - 250 mg/L



Increased levels of C-reactive protein

Pariksha proudly announces the introduction of High Q CRP-HL (High Linearity) in its Platinum Series whose linearity stands tall at 250 mg/L when compared to that of the competitors' brands. This innovation truly reflects and represents our High Q Brand name. Extensive evaluation and relentless efforts with unwavering commitment went in to developing this highly prestigious product. Very high samples above 100 mg/L were comparatively evaluated on multiple high end platforms like IFA (Immunofluorescence), CLIA (Chemiluminescence), ECLIA (Electro Chemiluminescence) and the results of Pariksha's High Q CRP-HL were found to be comparable and clinically correlated too.

Pariksha always believed in offering quality products under its registered brand name High Q and made an enviable customer base for the CRP and to carry on the legacy we have now developed High Q CRP-HL which got evaluated extensively with other high end platforms mentioned above for the samples with the CRP concentrations above 100 mg/L

Note : This product must not be compared to CRP Assays that are low in linearity and can not recover the CRP above 100 mg/L. This product can be compared to high end detection assays mentioned above. Pariksha has done extensive R & D in developing this phenomenal product. This product helps pathologists to monitor the Antibiotic treatment on critically ill patients where high CRP Concentrations are reported .

Product Features

- Latex Enhanced Turbidimetric Immuno Assay (LETIA)
- Two liquid reagents (Turbilatex and Diluent)
- Linearity up to 250 mg/L (No need of diluting the sample till 250 mg/L)
- Liquid Calibrator provided
- Greater detectability of high CRP concentrations in samples of the patients with high grade bacterial Sepsis, Infections and Inflammations
- No prozone effect was detected until 250 mg/L
- Bilirubin(500 mg/dL), Lipemia (3000 mg/dL) and Rheumatoid factors (560 IU/mL) do not interfere where as Hemoglobin (greater than 6gm/L) interferes

High Q C- Reactive Protein- HL (High Linearity)
LETIA
(Latex Enhanced Turbidimetric Assay)



**Pariksha
Biotech**
A game changer in IVD

India's the most Reliable CRP Assay
with the High Linearity of 250 mg/L.



Command on Quality

High CRP Concentrations
implicated in the
following conditions

Infectious Conditions:

- Bacterial Infections (Majority of the time)
- Viral Infections (Prolonged)
- Pneumonia
- Sepsis
- Bacterial Sinusitis
- Dysregulated Inflammatory response there by tissue damage

Non Infectious Conditions:

- Massive thrombosis
- Pulmonary Embolism
- Cancer
- Autoimmune Diseases
- Major Trauma
- Major Surgery

High Q C- Reactive Protein- HL (High Linearity)
LETIA
(Latex Enhanced Turbidimetric Assay)

CRP High Linear Assay! What Does it mean in Clinical Utility! Why is this Important!

Recovering high concentrations of CRP is important for several reasons:

Wide Range of Concentrations: Linearity assays ensure that the test is accurate across a broad range of CRP concentrations, from normal to very high levels.

Accurate diagnosis: High CRP levels can indicate severe inflammation or infection, such as sepsis. Accurate measurement of high CRP concentrations helps diagnose and monitor these conditions.

Monitoring disease activity: In chronic conditions like rheumatoid arthritis, high CRP levels indicate active disease. Measuring high CRP concentrations helps monitor disease activity and treatment response.

Risk assessment: Elevated CRP levels are associated with cardiovascular disease risk. Accurate measurement of high CRP concentrations helps assess risk and guide preventive measures.

Treatment guidance: High CRP levels may indicate the need for aggressive treatment or hospitalization. Accurate measurement helps guide treatment decisions.

Research and clinical trials: Accurate measurement of high CRP concentrations is crucial in research studies and clinical trials investigating inflammatory conditions.

Quality control: Recovering high concentrations of CRP ensures that the assay is performing correctly, maintaining quality control and confidence in results.

Patient safety: Inaccurate measurement of high CRP concentrations can lead to delayed or inappropriate treatment, compromising patient safety.

Reduced Errors: Linearity assays minimize errors in measurement, reducing the risk of misdiagnosis or incorrect treatment decisions.

8. Disease monitoring in immunocompromised patients: High CRP levels can indicate infection in immunocompromised patients, such as those with HIV/AIDS or undergoing chemotherapy. Accurate measurement is critical for timely intervention.

By accurately recovering high concentrations of CRP, laboratories can provide reliable results, supporting informed decision-making and optimal patient care.

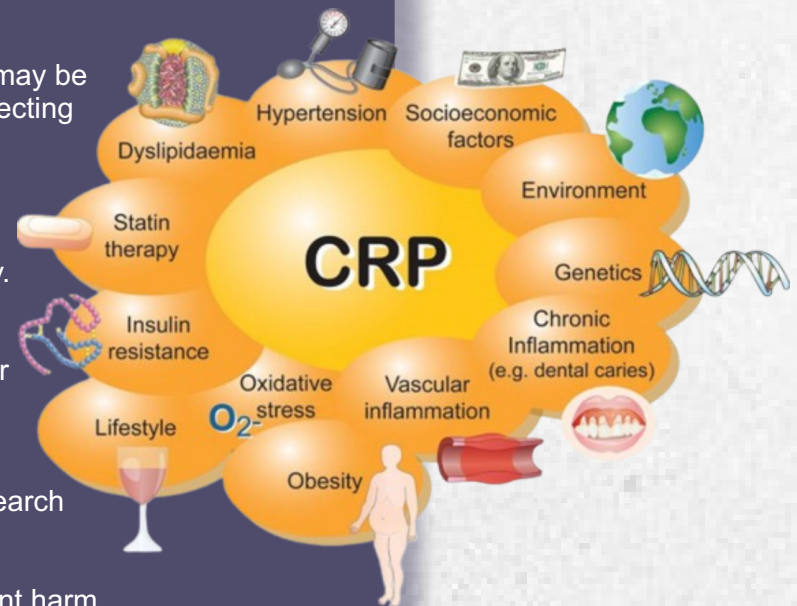
Why Low Linearity CRP Assays cant' be used!

Low linearity assays fail to recover high concentrations of CRP due to the below factors:

- 1. Saturation:** The assay becomes saturated, unable to accurately measure high CRP concentrations.
- 2. Non-linear response:** The assay's response to high CRP concentrations is non-linear, leading to inaccurate results.
- 3. Prozone and Hook Effects:** **Prozone Effect (High CRP Concentration in patient samples and Hook Effect (Excess Anti CRP Antibody in reagent formulations)** underestimate or fail to measure the true concentration of CRP

Implications of failed recovery of high CRP concentrations:

- 1. Delayed diagnosis:** Inaccurate results may lead to delayed diagnosis of severe inflammation or infection.
- 2. Inadequate treatment:** Underestimation of CRP levels may result in inadequate treatment, compromising patient outcomes.
- 3. Misclassification:** Patients with high CRP levels may be misclassified as having low or moderate levels, affecting treatment decisions.
- 4. Reduced sensitivity:** Low linearity assays may reduce the sensitivity of CRP as a biomarker, making it less useful for monitoring disease activity.
- 5. Incorrect risk assessment:** Inaccurate CRP measurements can lead to incorrect cardiovascular disease risk assessments.
- 6. Impaired research validity:** Inaccurate CRP measurements can compromise the validity of research studies and clinical trials.
- 7. Patient harm:** Inaccurate results can lead to patient harm, particularly in critical care settings where timely intervention is crucial.
- 8. Loss of confidence:** Low linearity assays can erode confidence in CRP testing, leading to decreased use and missed opportunities for accurate diagnosis and monitoring.



**Non infection
related conditions
where CRP Levels
are elevated**

It is essential to use assays with high linearity to ensure accurate recovery of high CRP concentrations, supporting informed decision-making and optimal patient care.

Specialty Liver Assays

Ammonia
Total Bile Acids
Adenosine Deaminase
5'-Nucleotidase
Prealbumin

Specialty Diabetes Assays

Hemoglobin A1C
Beta-Hydroxy Butyrate
Pyruvate
Lactate
Glycated Albumin
Glycated Serum Protein

Specialty Cardiovascular Assays

(Cardiac Risk Markers)
Lipoprotein (a)
Apolipoprotein A1
Apolipoprotein B
Lp-PLA2 (Plac Test)
hS-CRP

Specialty Renal Assays

Cystatin C
Microalbumin
ACR(Albumin to Creatinine Ratio)

Specialty Electrolyte Assays

Lithium
Carbondioxide
Magnesium
Zinc
Copper

Anemia Panel Assays

Iron
TIBC
Ferritin
Transferrin

Specialty Inflammation Assays

Procalcitonin
Anti-CCP
CRP-Wide Range
Complement-C3
Complement-C4
Haptoglobin

Immunoglobulin Assays

Immunoglobulin A
Immunoglobulin M
Immunoglobulin G
Immunoglobulin E (Allergy Marker)



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Pariksha's world inside
SCAN TO EXPLORE MORE