

# PIIINP (N-Terminal Propeptide of Type III Collagen)

**Analyte:** Procollagen Type III N-Propeptide

**Specimen Type:** Serum, Heparin Plasma, Inquire for additional options(s)

**Optimum Volume:** 1.0 mL

**2-8°C**   **-20°C**   **-70°C**

5 days   2 years   2 years

**Reporting units:** ng/mL

**Method:** RIA

## Biological or Clinical Significance:

Type III (PIIINP) collagen is derived from a larger protein, type III procollagen. Increased concentrations of PIIINP are found in a number of conditions where accumulation and/or degradation of connective tissue takes place, e.g. in fibroproliferative, haematological, endocrinological and malignant diseases. Thus changes in PIIINP levels are not specific for a particular disease but reflect the involvement and altered metabolism of type III collagen. In growth deficient children, the induction of growth is reflected in increasing serum PIIINP. Liver fibrosis and cirrhosis of various aetiologies increase serum concentration of PIIINP. Serum PIIINP is increased in myeloproliferative diseases, particularly during the active phases of myelofibrosis. The serum concentration of PIIINP also appears to reflect the repair process and scar formation after a myocardial infarction.

## Principle of Test Method:

The PIIINP RIA kit is based on the competitive radioimmunoassay technique.