

Intact aminoterminal propeptide of type I procollagen (PINP)

Method:	Radioimmunoassay (RIA)
Kit Manufacturer:	Orion Diagnostics, Espoo, Finland
Description:	The Orion Diagnostica UniQ PINP RIA kit is based on the competitive radioimmunoassay technique. A known amount of labeled PINP and an unknown amount of unlabelled PINP in the sample compete for a limited number of high affinity binding sites of the polyclonal rabbit anti-PINP antibody. A second antibody, directed against rabbit IgG and coated to kaolin particles, is used to separate the antibody-bound PINP from free PINP. The radioactivity of the bound tracer antigen is measured in a gamma counter. The amount of labeled PINP in the sample tube is inversely proportional to the amount of PINP in the sample. The concentrations in unknown samples are obtained from a calibration curve, which is based on the concurrent testing of the UniQ PINP RIA calibrators.

Collection and Performance Characteristics

Tube type:	Preferred: SST Alternate: none
Minimum Volume:	0.4 mL
Lowest Reportable Value:	0.7 ug/L
Dynamic range:	0.7 - 250 µg/L
Precision:	The intra-assay variation is from 3.5-5.3% The inter-assay variation is from 3.6-5.4%
Reference Range:	Post-menopausal women: 16 – 96 ug/L Pre-menopausal women: 19 – 83 ug/L Men: 22 – 87 ug/L

