



PROCOLLAGEN I INTACT N-TERMINAL, SERUM
TEST ID: PINP

USEFUL FOR:

- An aid in monitoring antiresorptive and anabolic therapy in patients with osteoporosis
- An adjunct in the assessment of conditions associated with increased bone turnover such as Paget disease

METHODOLOGY: Radioimmunoassay (RIA)

REFERENCE VALUES:

Reference values have not been established for patients who are less than 18 years of age.

Adult male: 22 - 87 mcg/L

Adult Female premenopausal: 19-83 mcg/L

Adult Female post menopausal: 16-96 mcg/L

SPECIMEN REQUIREMENTS:

Container/Tube:

Preferred: Red top

Acceptable: Serum Gel

Specimen Volume: 0.5 mL

Minimum Volume: 0.25 mL

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	14 days
	Ambient	7 days
	Refrigerated	7 days

CAUTIONS:

- Procollagen I Intact N-terminal (PINP) values should not be used as a screening test for osteoporosis in the general population.
- There is diurnal variation of PINP levels, with the values being higher at night. When serial measurements of PINP are performed, specimens should be collected at the same time of the day.
- PINP is metabolized in the liver. In individuals with severe liver disease, clearance from the circulation might be affected resulting in elevated PINP levels.
- Some patients who have been exposed to mouse antigens, whether in the environment or as part of treatment or imaging procedures, may have circulating antimouse antibodies. These antibodies may interfere with the assay reagents to produce unreliable PINP assay results.
- This test should not be requested in patients who have recently received radioisotopes, therapeutically or diagnostically, because of potential assay interference. A recommended time period before collection cannot be made because it will depend on the isotope administered, the dose given and the clearance rate in the individual patient. Specimens will be screened for radioactivity prior to analysis. Radioactive specimens received in the laboratory will be held and assayed after the radioactivity has sufficiently decayed. This will result in a test delay

CPT CODE: 83519

DAY(S) SET UP: Tuesday and Thursday

ANALYTIC TIME: 1 Day

NOTE: The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Procollagen Type I Intact N-Terminal Propeptide	FPNTS	0070236	ARUP Laboratories

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
David O'Brien, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710