MAYO CLINIC LABORATORIES

NEW TEST

Notification Date: October 6, 2026
Effective Date: November 5, 2026

Intact Procollagen I N-Terminal, Serum

Test ID: P1NP

Useful for:

Aiding in monitoring antiresorptive and anabolic therapy in patients with osteoporosis

This test **should not** be used as a screening test for osteoporosis in the general population.

Methods:

Chemiluminescence

Reference Values:

Adult male: 26-108 ng/mL
Adult female premenopausal: 22-103 ng/mL
Adult female postmenopausal: 18-119 ng/mL

Reference values have not been established for patients who are younger than 18 years.

Specimen Requirements:

Patient Preparation:	For 12 hours before specimen collection, patient **should not** take multivitamins or dietary supplements (eg, hair, skin, and nail supplements) containing biotin (vitamin B7).
Supplies:	Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube:	
Preferred:	Red Top
Acceptable:	Serum Gel
Submission Container/Tube:	Plastic Vial
Specimen Volume:	0.5 mL Serum
Collection Instructions:	Centrifuge and aliquot serum into a plastic vial.
Minimum Volume:	Serum: 0.5 mL

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Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	14 days
	Ambient	7 days
	Frozen	90 days

Cautions:

Intact procollagen type I N-terminal propeptide (PINP) is metabolized in the liver. In individuals with severe liver disease, clearance from the circulation might be affected resulting in elevated PINP levels.

The use of biotin-containing supplements may lead to inaccurately reduced PINP measurements.

In rare cases, some individuals can develop antibodies to mouse or other animal antibodies (often referred to as human anti-mouse antibodies [HAMA] or heterophile antibodies), which may cause interference in some immunoassays. Caution should be used in interpretation of results, and the laboratory should be alerted if the result does not correlate with the clinical presentation.

CPT Code:

83520

Day(s) Performed: Monday through Friday **Report Available:** 1 to 3 days

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.

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