

Ordering information

Product	Cat.No.
UniQ PINP RIA, 100 tests Intact aminoterminal propeptide of type I procollagen	67034
UniQ ICTP RIA, 100 tests Carboxyterminal telopeptide of type I collagen	68601
UniQ PIIINP RIA, 100 tests Intact aminoterminal propeptide of type III procollagen	68570

Technical information

	UniQ® PINP Measures type I collagen formation	UniQ® ICTP Measures type I collagen pathological degradation	UniQ® PIIINP Measures type III collagen metabolism
Indications	» Osteoporosis » Paget's disease	» Bone metastases » Multiple myeloma » Rheumatoid arthritis	» Liver fibrosis » Growth hormone therapy » Cardiac disease
Incubation	2.5 h	2.5 h	2.5 h
Sample volume	50 µl	100 µl	200 µl
Assay range	5–250 µg/l	1–50 µg/l	1–50 µg/l
Detection limit	<2.0 µg/l	<0.6 µg/l	<0.4 µg/l
Typical precision (average CV%)	intra-assay ≤10% (26.6–149.2 µg/l) interassay ≤10% (26.0–142.9 µg/l)	intra-assay ≤10% (3.3–45.0 µg/l) interassay ≤10% (4.3–24.4 µg/l)	intra-assay ≤10% (2.8–11.9 µg/l) interassay ≤12% (2.7–12.2 µg/l)
Sample type	Serum	Serum	Serum
Sample storage	Up to 5 days at 2...8 °C, for longer periods at least at –20 °C	Up to 5 days at 2...8 °C, for longer periods at least at –20 °C	Up to 5 days at 2...8 °C, for longer periods at least at –20 °C
Reference values	19–83 µg/l (women) 16–96 µg/l (postmenopausal women) 22–87 µg/l (men)	2.1–5.6 µg/l (women) 2.1–5.0 µg/l (men)	2.3–6.4 µg/l
Notes	» Measures intact propeptide » Low intraindividual variability » Correlates with changes in bone mineral density (BMD)	» Low intraindividual variability » Specifically reflects pathological degradation of mature type I collagen	Measures intact propeptide



For successful disease management

UniQ® Bone & Tissue Markers

Orion Diagnostica develops, manufactures and markets diagnostic test systems for healthcare professionals with over 40 years of experience. Building well-being is the core of our mission. UniQ® is a registered trademark of Orion Diagnostica Oy.



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For successful disease management

PINP

– An early marker to show treatment efficacy

- » For monitoring the treatment of osteoporosis
- » For encouraging treatment compliance
- » For monitoring the treatment in Paget's disease



UniQ PINP RIA

ICTP

– A specific marker of pathological bone degradation

- » For monitoring the treatment of cancer
- » Early detection of bone metastases during treatment
- » For monitoring the treatment of multiple myeloma
- » For monitoring the treatment of rheumatoid arthritis



UniQ ICTP RIA

PIIINP

– For detecting changes in the metabolism of connective tissue

- » For monitoring liver fibrosis, especially on methotrexate treated psoriasis patients – decreasing the need for liver biopsies
- » For monitoring the healing process after myocardial infarction
- » For monitoring growth hormone treatment
- » For monitoring glucocorticoid treatment



UniQ PIIINP RIA

The UniQ Bone and Tissue Markers are well-documented and high quality serum assays with established indication areas.

The Orion Diagnostica UniQ Bone & Tissue Marker tests offer a specific means of assessing the metabolism of type I and type III collagen in humans. As collagen is the most abundant protein of the body, monitoring of its metabolism can be used to detect and manage diseases of many types.

Type I collagen is present mostly in bones. The concentration of PINP in the blood is directly related to the amount of new type I collagen laid down in bone, and can be measured from serum samples via Orion Diagnostica's UniQ PINP assay.

ICTP is found in blood as a result of pathological degradation of mature type I collagen. Orion Diagnostica's UniQ ICTP assay measures ICTP concentrations from serum samples.

Synthesis of type III collagen can be demonstrated by measuring the concentration of PIIINP from serum samples with Orion Diagnostica's UniQ PIIINP assay.

More information available in the UniQ Bone & Tissue Markers Clinical Guide.

UniQ®