

Technical Information

NTX-Urine

N-Terminal Telopeptide of Type I Collagen

Cat. No.: NTx9006
 Tests: 96
 Method: **ELISA**
 Range: 1 - 3000 nM BCE
 Sensitivity: 20 nM BCE (value not corrected for creatinine)
 Incubation time: 2 hours
 Sample volume: 25 µl
 Sample type: Urine, cell culture
 Sample preparation: Collect second void of morning urine or 24 hours urine without adding preservatives. Fasting sample collection is not required. Samples are stable at room temperature for 24 hours or refrigerated at 2-8 °C for up to 72 hours. Longer storage at -20°C. Stable up to 3 freeze and thaw cycles.

Reference values: nmol Bone Collagen Equivalents/l (nM BCE)
 per mmol Creatinine/l = nM BCE / mM Creatinine

	Mean	Range (± 2 SD)
Premenopausal women (25 - 49 yrs)	35	5 - 65
Men (31 - 87 yrs)	33	3 - 63

Reference values from children are available.

Species: Human, dog, porcine, rat, bovine and rhesus macaque

Intended use:

NTX-Urine test is used for the quantitative measured of cross-linked N-telopeptides of type I collagen in urine. The NTX molecule is bone specific due to the unique amino acid sequences of the cross-linked alpha-2 (I) N- telopeptide. Release of the NTX molecule is mediated by osteoclasts. Elevated levels of NTX indicate elevated bone resorption.

NTX-levels are used for:

- monitoring of antiresorptive therapy in osteoporosis
- Paget's disease.
- monitoring and early detection of bone metastasis.

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