

Technical Information

NTX-Serum

N-Terminal Telopeptide of Type I Collagen

IVD

Cat. No.: 9021
 Tests: 96
 Method: **ELISA**
 Range: 5 - 40 nM BCE
 Sensitivity: 3.2 nM BCE
 Incubation time: 2 hours
 Sample volume: 50 µl (dilute 1:5)
 Sample type: Serum, cell culture
 Sample preparation: Specimen should be collected at the same time of the day. Store samples refrigerated at 2-8°C for up to 24 hours or frozen at -20 °C for longer storage. Stable up to 3 freeze and thaw cycles.

Reference values: nmol Bone Collagen Equivalents per litre = nM BCE

	Mean	Range (± 2SD)
Premenopausal women (25 - 49 yrs)	12.6	6.2 - 19.0
Postmenopausal women		12.9 - 22.7
Men (31 - 80 yrs)	14.8	5.4 - 24.2

Enfants: Les valeurs de référence sont disponibles.

Species: Human, bovine, sheep, porcine, rabbit, rat, rhesus macaque

Intended use:

NTX-Serumtest is used for the quantitative management of cross-linked N-telopeptides of type I collagen in human serum. 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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