

**TEST PATIENT**

Date of Birth : 01-Jan-1962  
Sex : F  
Collected : 20-Jan-2012

**Dr TEST DOCTOR**

Age Diagnostic Laboratories  
154 N. W. 16th Street  
BOCA RATON, FL, 33432

Lab id : **3313837**

**INTEGRATIVE MEDICINE**

URINE, 24 HOUR	Result	Range	Units
<b>TELOPEPTIDES</b>			units

NTx value: 54 units

**REFERENCE RANGES**

MALE 24-40 YEARS: 14-87 units  
MALE 45-65 YEARS: 14-59 units

GIRLS 10-12 Years : 110-2450 units  
FEMALE Premenopausal : 5-65 units  
Postmenopausal : <131 units

**COMMENTS:**

NTx is performed by a highly specific ELISA assay.  
1 unit= 1 nmol BCE/ mmol CREATININE  
BCE= Bone Collagen Equivalents  
BMD= Bone Mineral Density  
Elevated bone resorption is exhibited by patients taking certain drugs such as oral steroids or GnRh analogs and by most patients with thyroid disease.  
N-Telopeptides \*(NTx) is specific to Type 1 collagen which is the most abundant discrete peptide fragment present in urine.  
NTx measurement in urine can detect an increase in the rate of bone resorption and hence the early onset of OSTEOPOROSIS.