

C-  
TELOPEPTIDE,  
PLASMA

## Orderable - CTELO

Turnaround Time: 5-7 days

### Alternate Name(s):

Beta Crosslaps  
β-CTX  
C-Telo

### Specimen:

Adult	Pediatric
4 mL Lavender top Vacutainer tube	0-2 years: 0.5 mL Lavender top Microtainer 2-10 years: 2 mL Lavender top Vacutainer tube
Red, Gold, or Light Green (Li-heparin) top tubes are also acceptable as long as the serum or plasma is analyzed or frozen within a few hours of collection; EDTA plasma is the preferred choice due to the greater stability of C-telopeptide in EDTA plasma	
It is recommended for morning samples from fasting patients to be collected for this test	

### Collection Information:

Minimum volume of plasma or serum required is 700 µL for adult samples or 200 µL for pediatric samples.

### Reference Ranges:

Male	
<30 years:	238-1019 ng/L
30-<40 years:	225-936 ng/L
40-<50 years:	182-801 ng/L
50-<60 years:	161-737 ng/L
60-<70 years:	132-752 ng/L
≥70 years:	118-776 ng/L



**Laboratory:**  
Core Lab



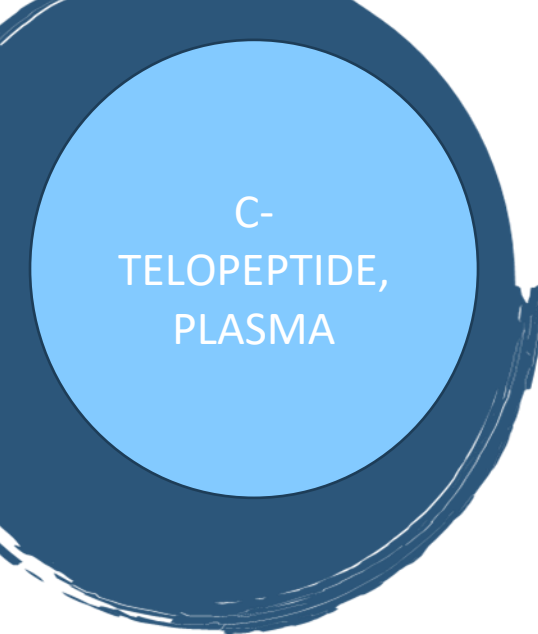
**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Roche  
Electrochemiluminescence



**Test Schedule:**  
Thursday afternoons



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Female	
<30 years:	148-967 ng/L
30-<40 years:	150-635 ng/L
40-<50 years:	131-670 ng/L
50-<60 years:	183-1060 ng/L
60-<70 years:	171-970 ng/L
≥70 years:	152-858 ng/L
Pre-menopausal:	136-689 ng/L
Post-menopausal:	177-1015 ng/L

### Interpretive Comments:

Increased levels of C-telopeptide occur in osteoporosis, Paget's disease, primary hyperparathyroidism, renal insufficiency, and bone metastases.

### Storage and Shipment:

Store and ship plasma or serum frozen.