

Patient NAME		Report STATUS	
DOB/Age/Gender		Barcode NO	
Patient ID / UHID		Sample Type	
Referred BY		Report Date	
Sample Collected			
Test Description	Value(s)	Unit(s)	Reference Range

#Osteocalcin

Osteocalcin (Serum CLIA)	4.47 L*	ng/mL	4.6 - 65.4
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Interpretation:

Reference Group	Reference Ranges (ng/mL)
Osteoporosis	7 - 48
Healthy Female	
Premenopausal	6 - 43
Postmenopausal	8 - 46
Healthy Male	
Age 18 - 30 years	15 - 65
Age 30 - 50 years	5 - 42
Age 50 - 70 years	3 - 46

Comments:

- Osteocalcin, which is known as bone gamma-carboxyglutamic acid-containing protein (BGP), is a noncollagenous protein found in bone and dentin. It has a molecular weight of 5800 Da and contains 49 amino acids. Osteocalcin is secreted solely by osteoblasts and thought to play a role in the body's metabolic regulation and is pro-osteoblastic, or bone- building, by nature. It is also implicated in bone mineralization and calcium ion homeostasis.
- Elevated osteocalcin occurs in osteomalacia, Pagets disease of bone, healing fracture, osteogenic sarcoma, adequate therapy for osteoporosis, primary hyperthyroidism, renal osteodystrophy and post menopausal osteoporosis.
- Decreased levels are seen in hypoparathyroidism, Cushings syndrome and long term corticosteroid therapy
- Bone markers are used to monitor therapy for bone disease and to judge response to anti- resorption or bone formation therapies.

*** End Of Report ***

Note :- (H* - High , L* - Low ,CL* - Critical Low,CH* - Critical High)



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