

**TEST CHANGE**

**Osteocalcin by Electrochemiluminescent Immunoassay**

0020728, OSTEO NMID

**Specimen Requirements:**

**Patient Preparation:**

**Collect:** Serum separator tube. Also acceptable: Lavender (~~K2EDTA~~~~K2-EDTA~~ or ~~K3EDTA~~~~K3-EDTA~~), pink (K2EDTA), or green (lithium heparin).

**Specimen Preparation:** Allow serum tube to sit for 15-20 minutes at room temperature for proper clot formation. Centrifuge and separate serum or plasma from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum or plasma to an ARUP **standard transport tube**. ~~Standard Transport Tube~~. (Min: 0.3 mL)

**Transport Temperature:** Frozen.

**Unacceptable Conditions:** Hemolyzed specimens.

**Remarks:**

**Stability:** After separation from cells: Ambient: 8 hours; Refrigerated: 72 hours; Frozen: 3 months

**Methodology:** Quantitative Electrochemiluminescent Immunoassay

**Performed:** ~~Sun~~**Tue-Sat**

**Reported:** ~~Within 24 hours~~  
~~1-4 days~~

**Note:**

**CPT Codes:** 83937

**New York DOH Approval Status:** This test is New York DOH approved.

**Interpretive Data:**

In patients with renal failure, the osteocalcin result may be directly elevated, due to impaired clearance, and/or indirectly elevated due to renal osteodystrophy.

**Reference Interval:**

Age	Male	Female
6 months-6 years	39-121 ng/mL	44-130 ng/mL
7-9 years	66-182 ng/mL	73-206 ng/mL
10-12 years	85-232 ng/mL	77-262 ng/mL
13-15 years	70-336 ng/mL	33-222 ng/mL
16-17 years	43-237 ng/mL	24-99 ng/mL
18 years and older	8-36 ng/mL	8-36 ng/mL

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