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**Lab Dept:** Chemistry

**Test Name:** PARATHYROID HORMONE-RELATED PEPTIDE

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***General Information***

**Lab Order Codes:** PHRP

**Synonyms:** Parathyroid Related Protein

**CPT Codes:** 82397 – Chemiluminescent assay

**Test Includes:** PTH-related peptide reported in pmol/L.

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***Logistics***

**Test Indications:** Useful for diagnostic work-up of patients with suspected hypercalcemia of malignancy; diagnostic work-up of patients with hypercalcemia of unknown origin.

**Lab Testing Sections:** Chemistry – Sendouts

**Referred to:** Mayo Medical Laboratories (Test: PTHRP)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 5 days

**Special Instructions:** An ice-cooled, lavender top tube MUST be used.

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***Specimen***

**Specimen Type:** Blood

**Container:** Ice-cooled, Lavender top (EDTA) tube

**Draw Volume:** 2.5 mL (Minimum: 1 mL) blood

**Processed Volume:** 0.7 mL (Minimum: 0.25 mL) serum

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge immediately in a refrigerated centrifuge or in chilled centrifuge cups, remove plasma aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Specimens other than EDTA plasma; mislabeled or unlabeled specimens

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***Interpretive***

**Reference Range:** All ages: <2.0 pgmol/L

**Critical Values:** N/A

**Limitations:** Like all immunometric assays, PTHrP assays are susceptible to falsely low results at extremely high analyte concentrations (“hooking”) and to rare false positive results due to heterophile interference.

**Methodology:** Immunochemiluminometric Assay (ICMA)

**References:** [Mayo Medical Laboratories](#) November 2017