Lab Dept: Chemistry
Test Name: PARATHYROID HORMONE-RELATED PEPTIDE

General Information
Lab Order Codes: PHRP
Synonyms: Parathyroid Related Peptide (PTHrP)
CPT Codes: 82397 – Chemiluminescent assay
Test Includes: PTH-related peptide reported in pmol/L.

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.

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) plasma
Collection: Routine blood collection
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

Interpretive

Reference Range: All ages: < or =4.2 pmol/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

Updates: 4/1/2019: Updated reference range