
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