
Lab Dept: Chemistry

Test Name: INTRA-OPERATIVE PTH, RAPID INTACT

General Information

Lab Order Codes: RPTH

Synonyms: PTH, Rapid; PTH, Intact; PTH; Parathyroid Hormone

CPT Codes: 83970 – Assay of parathormone (PTH)

Test Includes: Parathyroid Hormone test reported in pg/mL

Logistics

Test Indications: Rapid measurement of PTH levels is now frequently used intra-operatively to confirm that an adenoma has been successfully removed; this technique is used particularly during less invasive procedures involving limited neck exploration after pre-operative localization of the putative adenoma. Currently, most available rapid intra-operative assays are intact PTH assays measuring both PTH(1-84) and PTH(7-84)

Lab Testing Sections: Chemistry - St Paul Campus

Referred to: Allina Health Laboratory, United

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: M – F 0700 – 1230, call lab one week in advance of procedure to schedule test with United Lab

Turnaround Time: 30 minutes

Special Instructions: Only available at Children's Hospital, St. Paul Campus. **Must call Children's lab (6-6550 or 651-220-6550) to schedule one week in advance of procedure for arrangements to be made for testing.**

Specimen

Specimen Type: Blood

Container: Lavender top (EDTA) tube

Draw Volume: 3 mL (Minimum 1.5 mL) blood

Processed Volume:	1 mL (Minimum 0.5 mL)
Collection:	Collected in surgery by surgical staff
Special Processing:	<p>Lab Staff:</p> <ol style="list-style-type: none"> 1. Children's Lab will contact United Hospital Chemistry department at 651-241-8743 to schedule the testing. 2. Children's Surgery will notify Children's Lab at 6-6550 when they collect the PTH sample. The sample must be labeled with patient name, MRN, DOB, collection date and time, and signed by person collecting sample. 3. Children's Lab will respond at the Specimen Pick Up area in Children's OR to receive the sample, and transport to United's OR or lab as directed. <p>Lab Staff should get the phone number for calling results. At the same time they will notify the United tech at 651-241-2213 that the sample is coming</p> <ol style="list-style-type: none"> 4. Allina Health Laboratory requires a paper request that includes patient name, MRN, DOB, diagnosis, test(s) requested, signed by physician prior to the procedure. <p>This form must also include the phone number for the tech to call results.</p> <ol style="list-style-type: none"> 5. Duplicate the request so United and Children's both have a copy. 6. The United tech will call results, when available, to the number on the paper requisition for Children's Surgery
Patient Preparation:	N/A
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	PTH: 14.5 – 87.1 pg/mL
Critical Values:	N/A
Limitations:	N/A
Methodology:	Chemiluminescence Immunoassay
References:	Allina Hospital (August 2016)

