Legacy Laboratory Services

NEW Reference Ranges for Intact Parathyroid Hormone

August 2010

On August 2, 2010, significant reference range changes for Intact Parathyroid Hormone (PTHI) will occur. In addition, Legacy Salmon Creek will join Legacy Good Samaritan as a surgery center for intra-operative PTHIO.

Significant changes to the reference ranges are summarized in the table below. Two orderable tests will now be available. If a routine PTHI is required, order **PTHI**. If intra-operative testing is required, then **PTHIO** should be ordered. Calcium testing will only be performed on routine PTHI specimens.

Intra-operative PTHI testing available at Salmon Creek and Good Samaritan.

Please note that these are new:

ITEM	CURRENT	NEW
Routine PTHI Test Code	PTHI	PTHI
Intra-operative PTHI Test Code	Same as routine	PTHIO
Reference Range	15-65 pg/mL	12-88 pg/mL
Specimen Stability – EDTA Plasma	Ambient: 2 days Refrigerated: 3 days	Ambient: 8 hours Refrigerated: 2 days
Specimen Stability – Serum	Ambient: 8 hours Refrigerated: 2 days	Ambient: 4 hours Refrigerated: 8 hours

Intra-operative PTH - Scheduling with the Laboratory:
All intra-operative PTH testing must be scheduled with the laboratory in advance. Please call the laboratory for more information and request forms.

Legacy Good Samaritan Laboratory: (503) 413-7478
Legacy Salmon Creek Laboratory: (360) 487-1255

For additional information, contact:

Danelle Beaudoine, PhD
Clinical Chemist
503-413-5024

LEGACY HEALTH

Anne Smith-Sehdev, MD
Medical Director, Salmon Creek Lab
360-487-1221

Jason Hyde, MD
Medical Director, Good Samaritan Lab
503-413-6121

LAB-4229

New Collection Guidelines and Reference Ranges

Test Name PTH-Intact (PTHI)

Collect Preferred: Plasma, one 4.0 mL lavender (EDTA) top tube.
Also acceptable: Serum, one 5.0 mL gold (SST) or 7.0 mL red top tube.
Note: If EDTA plasma is submitted, a separate serum or lithium heparin plasma specimen must be sent for the calcium determination.

Handling Allow serum to clot completely at room temperature (minimum: 30 minutes). Centrifuge and separate serum or plasma from cells within one hour of collection. Keep primary tube and aliquot tubes stoppered at all times. Freeze samples for transport. Avoid freeze-thaws.

Preferred Volume 1.0 mL EDTA plasma or serum

Minimum Volume 0.5 mL EDTA plasma or serum

Transport Frozen (at or below -20°C)

Rejection Criteria Grossly hemolyzed or lipemic specimens. Samples that have undergone multiple freeze-thaws ((>3).

Stability

Temperature	EDTA Plasma	Serum
Ambient (15-30 °C)	8 hours	4 hours
Refrigerated (2-8 °C)	2 days	8 hours
Frozen (≤ -20 °C)	6 months	6 months

Test Name PTH-Intact Intraoperative (PTHO)I

Locations Legacy Good Samaritan and Salmon Creek Medical Centers

Collect Plasma, one 4.0 mL lavender (EDTA) top tube.

Handling Centrifuge and separate EDTA plasma from cells within one hour of collection. Keep primary tube and aliquot tubes stoppered at all times. Do not freeze samples.

Preferred Volume 1.0 mL EDTA plasma or serum

Minimum Volume 0.5 mL EDTA plasma or serum

Transport Deliver specimens to the laboratory STAT. **Do not freeze intra-operative specimens**.

Rejection Criteria Grossly hemolyzed or lipemic specimens. Samples that have undergone multiple freeze-thaws (>3).

Stability

Temperature	EDTA Plasma	Serum
Ambient (15-30 °C)	8 hours	4 hours
Refrigerated (2-8 °C)	2 days	8 hours
Frozen (≤ -20 °C)	6 months	6 months