Test Definition: FPTHC

PTH Accuratio Comprehensive Profile

Reporting Title: PTH Accuratio Comprehensive Profile
Performing Location: Scantibodies Clinical Laboratory

Specimen Requirements:

Draw blood in a lavender-top (EDTA) tube(s). Spin down and send 2 mL EDTA plasma frozen in a plastic vial.

Note: Processing of samples should be completed within one hour of blood collection

Specimen Type	Temperature	Time
Plasma EDTA	Frozen	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z1597	Total PTH	Alphanumeric	pg/mL	In Process
Z1594	CAP PTH	Alphanumeric	pg/mL	In Process
Z1595	CIP Value	Alphanumeric	pg/mL	In Process
Z1596	CAP/CIP	Alphanumeric	Ratio	In Process

CPT Code: 2 × 83970

Reference Values:

COMPREHENSIVE PROFILE

TOTAL PTH Reference Range: 14.0-66.0 pg/mL
CAP PTH Reference Range: 5.0-39.0 pg/mL
CIP VALUE Reference Range: 2.5-29.0 pg/mL
CAP/CIP Reference Range: 1.1-6.9 ratio

Low ratio or PTH values are associated with Adynamic bone turnover status for an ESRD patient.

Total PTH:
Total Intact PTH is the sum of CAP PTH and N-truncated PTH fragment (likely 7-84) Total PTH = Intact PTH = CAP + CIP.
FDA approved.
CAP PTH:
CAP stands for Cyclase Activating PTH and is the same as

Whole PTH which is 1-84 PTH and which raises bone turnover.
FDA approved.
CIP VALUE:
CIP stands for Cyclase Inactive PTH and the N-truncated PTH fragment, likely 7-84 PTH. CIP = Total PTH - CAP.
CAP/CIP:
CAP/CIP ratio is a calculated value and has been shown to be 93% predictive of bone turnover for the ESRD patient, however, bone biopsy is 100% predictive, therefore, clinical correlation is recommended.

Reference ranges were established using a 95% reference interval on a normal population with normal functioning kidneys. These reference ranges should not be applied to ESRD patients with impaired or non-functioning renal function.

TEST PERFORMED BY:
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