

# Parathyroid hormone intact PTH

## General:

With this assay the biologically active, 84 amino acid long intact parathormone (PTH 1-84) is detected. The determination of the intact parathormone is, in combination with the determination of Ca and P in serum, an important criterion for the differentiation of disturbances in the calcium metabolism. In primary hyperparathyroidism increased cyclic AMP leads to hypercalcemia by increase of the ossal Ca resorption, intestinal Ca absorption and renal Ca reabsorption. Secondary hyperparathyroidism is indicated by hyperactivity of parathyroid glands as a result of kidney insufficiency or deficiency of calcium and vitamin D. Hypoparathyroidism is rather rare and appears after either thyroid gland or parathyroid operations or idiopathically, e.g. caused by autoantibodies.

Indication: Hypo-, hypercalcemia

Material: 3 ml EDTA

Stability: stable for 2 days at room temp (15 to 20°C ), 3 days 2 to 8°C

TAT: same day, FML

Method: ECLIA

Units: pg/ml

Ref.- range: see report

Note: If the patient is taking multivitamins or dietary supplements containing high dose of Biotin (> 5 mg), the patient should stop taking it for at least 24 hours , before having the blood collection.

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>