

# Calcitonin

## General:

Calcitonin is a polypeptide, which is synthesized in the parafollicular cells (C-cells) of the thyroid gland. It is the antagonist of parathyroid hormone (PTH), which inhibits the activity of osteoclasts and causes a reduction of the calcium concentration in the blood. The clinical significance is the diagnosis and therapy monitoring of the medullar or C-cell carcinoma. Since C-cell carcinomas appear to have a genetic component with 20% familial accumulation, screening of calcitonin levels is recommended in such cases.

Indication: Detection and monitoring of medullar thyroid carcinoma (C-cell carcinoma).  
Also see Tumor Markers

Material: 1 ml serum, **frozen**

TAT: 7-10 days\*

Method: CLIA

Unit: pg/ml

Ref.range: see report

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