

**CALCITONIN, SERUM  
(CLIA)**

pg/mL

REFERENCE GROUP	REFERENCE RANGE IN pg/mL
Males	< 8.4
Females	< 5.0

**Clinical Use**

- Diagnose and monitor patients with Medullary thyroid carcinoma (MTC) which occurs as a sporadic disease or as a part of the syndromes of MEN-2A, MEN -2B & Familial MTC. Calcitonin is primarily used for diagnosing sporadic MTC / Index case in Familial MTC / monitoring MTC
- Routine screening of Nodular thyroid disease to detect unsuspected sporadic MTC
- For provocative testing in MTC, Calcitonin stimulation test is recommended to increase sensitivity of detection
- To monitor effectiveness of surgery by serial measurement of basal and stimulated calcitonin concentrations

**Increased Levels**

- Medullary carcinoma thyroid
- C-cell hyperplasia
- Non thyroidal cancers like Oat cell carcinoma / Small cell carcinoma, Intestinal / Bronchial / Gastric Carcinoids, Melanoma, Pheochromocytoma, Pancreatic carcinoma & Breast carcinoma
- Hypergastrinemia & other Gastrointestinal disorders
- Acute & Chronic Renal failure
- Hypercalcemia
- Pulmonary disease