



Yash M. Patel

Age : 21 Years

Sex : Male

PID : 555



Sample Collected At:

125, Shivam Bungalow, S G Road,
Mumbai

Ref. By: **Dr. Hiren Shah**



Registered on: 02:31 PM 02 Dec, 2X

Collected on: 03:11 PM 02 Dec, 2X

Reported on: 04:35 PM 02 Dec, 2X

CALCITONIN

Investigation	Result	Reference Value	Unit
CALCITONIN, SERUM CLIA	15.00 High	0.00 - 10.00	pg/mL

Comments :

Calcitonin, a hormone produced by the thyroid gland, assisting in the diagnosis and monitoring of certain thyroid conditions, particularly medullary thyroid cancer, and evaluating the effectiveness of treatment.

Calcitonin high levels causes :

- Medullary thyroid cancer Overproduction of calcitonin by cancer cells.
- Thyroid nodules Abnormal growths in the thyroid gland.
- Hyperparathyroidism Overactivity of the parathyroid glands.
- Chronic kidney disease Impaired kidney function affecting calcitonin levels.
- C-cell hyperplasia Increased number of C-cells in the thyroid gland.
- Inflammation or infection Inflammatory conditions or infections affecting calcitonin levels.
- Medications that can affect calcitonin production.

Calcitonin low levels causes :

- Hypothyroidism Underactive thyroid gland affecting calcitonin levels.
- Thyroid removal Total or partial removal of the thyroid gland.
- Low protein intake Inadequate dietary protein affects calcitonin levels.
- Vitamin D deficiency Insufficient vitamin D levels affect calcitonin production.
- Hyperparathyroidism Overactivity of the parathyroid glands affects calcitonin levels.
- Medications that can lower calcitonin levels.
- End-stage renal disease Advanced kidney disease affecting calcitonin levels.

Thanks for Reference

****End of Report****

Medical Lab Technician
(DMLT, BMLT)

Dr. Payal Shah
(MD, Pathologist)

Dr. Vimal Shah
(MD, Pathologist)

