

# Thyroglobulin TG

## General:

Thyroglobulin is a glycoprotein with a molecular weight of 660 kDa. It is synthesized in the endoplasmic reticulum of thyrocytes and stored in the follicle lumen. It is the storage protein of thyroid gland hormones. Usually only small amounts of thyroglobulin are detected in blood. Increased values indicate a damage of follicle cells. TG is a marker of thyroid gland carcinoma (follicle and papillary carcinoma) after removal of the thyroid gland. Persisting or re-appearing TG levels indicate local relapse or metastases.

Indication: Monitoring surgery and therapy of thyroid gland carcinoma

Material: 1 ml serum

Stability: 3 days at 2 to 8°C

TAT: same day, FML

Method: ECL

Ref.- range: see report

Note: in 10% of cases, autoantibodies against thyroglobulin are detectable, thus possibly leading to falsely decreased values. *Also see Tumor markers*

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/>