

# Chromogranin A

## General:

Chromogranin A (CGA) is a 68 kDa calcium-binding glycoprotein which is produced in neuroendocrine cells (in normal as well as in tumor cells). An essential role for CGA was described in the differentiation of neuroendocrine tissues. Increased CGA concentrations in blood point to neuroendocrine tumors or metastases independent of their localization. High CGA levels in blood seem to reflect advanced disease stages. In different studies, a specificity and a sensitivity for CGA of 75-100% - depending on the disease - were described. Chromogranin A is considered a more sensitive, but relatively nonspecific marker of neuroendocrine tissue. The chromogranin A concentration is usually detected in parallel with the excretion of the 5- hydroxy-indole acetic acid (degradation product of serotonin) in urine.

Indication: Suspicion of endocrine tumors (neuroblastoma, carcinoid, pheochromocytoma, small-cell lung carcinoma)

Material: 1 ml serum, **frozen**

TAT: 7-10 days\*

Method: RIA

Units: ng/ml

Ref.- range: 19.4 - 98.1

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