### Chromogranin A; CgA

#### Plasma (EIA) ng/mL

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<td>ng/mL</td>
<td>&lt;100.00</td>
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**Note:** This test is not recommended for diagnostic purposes

**Comments**

Chromogranin A is a major soluble protein present in chromaffin cells of adrenal medulla, sympathetic neurons and various neuroendocrine organs. About 80% patients of Pheochromocytoma show elevated levels of Chromogranin A. The major use of this test is in the post operative monitoring for recurrence of these tumors. It is a preferred marker in hind gut Carcinoid tumors which commonly are non-functional and have lost the ability to secrete serotonin, but retain the ability to secrete CgA.

**Increased Levels**

- **Malignant causes** – Carcinoid tumor, Pheochromocytoma, Medullary carcinoma thyroid, Small cell lung carcinoma & Epithelial cancers with neuroendocrine differentiation

- **Non malignant causes** - Renal impairment (creatinine clearance <80mg/mL/min), Liver disease, Inflammatory bowel disease, atrophic gastritis & stress