

GASTRIN, SERUM

pg/mL

13.00-115.00

(CLIA)

Comments

Gastrin is a primary gastrointestinal hormone which stimulates gastric acid secretion and exists in 3 principal forms namely G34 (big gastrin), G17 (little gastrin) & G14 (mini gastrin). Serum gastrin levels increase with increasing age specially in patients older than 60 years partly due to unrecognized gastric mucosal atrophy. Patients with Zollinger-Ellison syndrome show marked elevation upto 2000 times the normal gastrin level.

Increased Levels

- Gastrinoma / Zollinger-Ellison syndrome
- Pernicious anemia
- Pyloric obstruction with antrum distension
- Vagotomy without gastric resection
- Peptic ulcer disease
- Gastric carcinoma

Decreased Levels

- Antrectomy with vagotomy
- Hypothyroidism

Uses

To confirm suspected diagnosis of gastrin secreting tumors like Gastrinomas / Zollinger-Ellison syndrome