

Overview

Method Name

EIA/ELISA

NY State Available

No

Specimen

Specimen Type

GI Plasma

Specimen Required

Patient preparation: Patient should be fasting 10 - 12 hours prior to collection. Patient should not be on any medications or supplements that may influence: Cholecystokinin (CCK), Glucose, Growth Hormone, Insulin and/or Somatostatin levels, if possible for at least 48 hours prior to specimen collection

Specimen Type: GI Plasma

Container/Tube: Special tube containing G.I. Preservative (MCL supply number T125).

Specimen Volume: 10mL

Collection Instructions: Draw 10 mL of blood in special tube containing G.I. Preservative (MCL supply number T125). Specimen should be separated in refrigerated centrifuge as soon as possible and send 3 - 5 mL plasma frozen. Ship frozen.

Reject Due To

Hemolysis NA

Lipemia NA

Icterus NA

Other NA

Specimen Minimum Volume

1 mL

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
GI Plasma	Frozen (preferred)	180 days	
	Refrigerated		

Clinical & Interpretive

Clinical Information

Ghrelin is a novel 28 amino acid peptide derived by post-translational processes from a preproghrelin consisting of 117 residues, secreted by the stomach with specific receptors in the brain involved in appetite regulation. It conveys information to the brain thereby increasing appetite, food intake and body weight and influences the release of growth hormone. Ghrelin is a growth hormone-releasing peptide which acts as an endogenous ligand of the growth hormone secretagogue receptors (GHS-Rs). Ghrelin levels are inversely correlated with body weight and are higher during weight loss.

Reference Values

GHRELIN (Total): pg/mL

(Plasma)

Adult Reference Range(s)

Normal weight/control subjects: 520 - 700 pg/mL

Obese subjects prior to diet: 340 - 450 pg/mL

Levels:

8:00 am - 12:00 pm: Up to 420 pg/mL

6:00pm: Up to 480 pg/mL

Obese subjects post induced weight loss: 450 - 600 pg/mL

Levels:

8:00 am - 12:00 pm: Up to 575 pg/mL

6:00 pm: Up to 600 pg/mL

Obese subjects post gastric-bypass surgery: Up to 120 pg/mL

Performance**PDF Report**

No

Performing Laboratory Location

Inter Science Institute

Fees & Codes**Test Classification**

This test was performed using a kit that has not been cleared or approved by the FDA and is designated as research use only. The analytic performance characteristics of this test have been determined by Inter Science Institute. This test is not intended for diagnosis or patient management decisions without confirmation by other medically established means.

CPT Code Information

83520