

Overview

Method Name

Direct Radioimmunoassay (RIA)

NY State Available

No

Specimen

Specimen Type

GI Plasma

Specimen Required**Patient preparation:**

1. Patient should be fasting 10-12 hours prior to collection.
2. Patient should not be on any medications that affect insulin secretion or intestinal motility, if possible for at least 48 hours prior to collection.

Specimen Type: Plasma**Container/Tube:** EDTA tube containing GI preservative: EDTAGI**Specimen Volume:** 1 mL**Collection Instructions:** Collect 10 mL of blood in special tube containing G.I. Preservative (T125). Specimen should be separated immediately and send 3 mL plasma frozen as soon as possible.**Reject Due To**

Hemolysis	Mild reject; Gross reject
Lipemia	Mild reject; Gross reject
Icterus	NA
Other	Specimens other than Plasma collected in GI preservative (T125). Test is strict frozen

Specimen Minimum Volume

1 mL

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
GI Plasma	Frozen (preferred)	90 days	

Clinical & Interpretive**Clinical Information**

Somatostatin is a cyclic peptide originally isolated from sheep hypothalami and shown to inhibit the release of Growth Hormone. Somatostatin is present primarily in three main forms: a 14 amino acid peptide, a 28 amino acid peptide ("Big" Somatostatin), and a 12,000 molecular weight ProSomatostatin. This assay measures only the 14 amino acid form of Somatostatin. All three forms of Somatostatin have similar biological properties and overall potencies. Somatostatin is a physiological regulator of islet cell and gastrointestinal functions, and is a suppressor of many pituitary hormones including Growth Hormone, Prolactin, and Thyrotropin (TSH). Somatostatin levels are often elevated in diabetics, but the levels return to normal upon correction of the hormonal and metabolic deficiencies present. In many cases of APUDomas including VIPoma, Insulinoma, Glucagonoma, and Gastrinoma, elevated levels of Somatostatin are found.

Reference Values

Up to 25 pg/mL

Performance**PDF Report**

No

Performing Laboratory Location

Inter Science Institute

Fees & Codes**Test Classification**

This test was developed and its performance characteristics determined by Inter Science Institute. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.

CPT Code Information

84307

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FSOMA	Somatostatin (Plasma)	2961-1

Result ID	Reporting Name	LOINC®
Z0933	Somatostatin, (Plasma)	2961-1