

Overview

Method Name

Direct Radioimmunoassay (RIA)

NY State Available

No

Specimen

Specimen Type

GI Plasma

Specimen Required

1. Patient should be fasting 10 to 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: GI Plasma**Container/Tube:****Preferred:** EDTA tube containing GI preservative (T125)**Acceptable:** EDTA purple top plasma tube**Specimen Volume:** 3 mL**Collection Instructions:**

1. Collect 10 mL of blood in special tube containing GI Preservative (T125), EDTA purple-top plasma tube is acceptable.
2. Specimen should be separated immediately.
3. Send 3 mL plasma frozen as soon as possible.

Specimen Minimum Volume

1 mL

Reject Due To

Gross hemolysis	Reject
Gross lipemia	Reject
Gross icterus	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
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GI Plasma	Frozen	180 days	
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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 Pro-somatostatin. 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

Referral

Day(s) Performed

Monday through Friday

Report Available

9 to 11 days

Performing Laboratory Location

Inter Science Institute

Fees & Codes

Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

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	Test Result Name	Result LOINC® Value
Z0933	Somatostatin, (Plasma)	2961-1