

Overview

Method Name
Direct Radioimmunoassay (RIA)

NY State Available
No

Specimen

Specimen Type
Plasma

Specimen Required
Patient preparation: Patient should be fasting 10-12 hours prior to collection. Patient should not be on any antacid medication or medications that affect gastroentero-intestinal function, if possible, for at least 48 hours prior to collection.

Specimen Type: Plasma
Container/Tube: Z tube
Specimen Volume: 3 mL

Collection Instructions: Draw 10 mL of blood in special Z-tube (MCL T701). Separate plasma form cells immediately after draw and send 3 mL of plasma frozen in plastic vial.

Specimen Minimum Volume
1 mL

Reject Due To

Hemolysis	Mild reject; Gross reject
Lipemia	Mild reject; Gross reject
Icterus	NA
Other	Specimens other than collected in Z tube (MCL T701).

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma	Frozen	30 days	

Clinical & Interpretive

Clinical Information

Neurotensin is a 13 amino acid peptide produced primarily by endocrine cells of the ileal mucosa. Physiological actions of Neurotensin include hypertension, vasodilation, hyperglycemia, and inhibition of gastric motility. Its C-terminus is similar to Angiotensin I. It is a potent analgesic affecting hypothermia, muscle relaxation, and decreased motor activity. Pancreatic Polypeptide secretion is strongly stimulated by Neurotensin. Neurotensin appears to cause the release of Luteinizing Hormone-Releasing Hormone and Corticotropin Releasing Hormone effecting the release of Luteinizing Hormone, Follicle Stimulating Hormone, and ACTH but not Thyroid Stimulating Hormone or Growth Hormone. Neurotensin also stimulates pancreatic bicarbonate and intestinal secretion. Neurotensin levels are stimulated by food and Bombesin. Elevated levels have been found in pancreatic endocrine tumors, Oat Cell, Squamous, and Adeno Carcinomas.

Elevated levels have been found to cause watery diarrhea.

Reference Values

50 - 100 pg/mL

Cautions

No significant cautionary statements

Performance

PDF Report

No

Day(s) Performed

Monday through Friday

Report Available

7 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

83519

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FNEUR	Neurotensin	2655-9

Result ID	Test Result Name	Result LOINC® Value
Z0923	Neurotensin	2655-9