

## 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 from 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 |                   |

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**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 Regional Manager. For assistance, contact [Customer Service](#).

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**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              |