

## Overview

### Method Name

Direct Enzyme Immunoassay (EIA)

### NY State Available

No

## Specimen

### Specimen Type

Serum

### Specimen Required

**Patient preparation:** Patient should not be on any medications that may influence pituitary secretion.

**Specimen Type:** Serum

**Collection Container/Tube:**

**Preferred:** Red top

**Acceptable:** SST

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 3 mL

**Collection Instructions:**

1. Draw blood in a plain, red-top tube(s), serum-gel tube(s) is acceptable.
2. Centrifuge and aliquot 3 mL of serum into a plastic vial.
3. Send frozen.

### 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
Serum	Frozen	180 days	

## Clinical & Interpretive

### Clinical Information

Growth Hormone Releasing Hormone is a 44 amino acid peptide produced primarily by the hypothalamus. It is a neurohumoral control for adenohipophyseal secretion of Growth Hormone. Other hypothalamic hormones have a stimulatory effect on pituitary hormones, but Growth Hormone Releasing Hormone has no known effect on other pituitary hormones. Somatostatin is the inhibitory counterpart of Growth Hormone Releasing Hormone. Growth Hormone Releasing Hormone has structural similarities with the Secretin-Glucagon family of gastrointestinal hormones. Growth Hormone Releasing Hormone has been isolated from pancreatic Islet Cells and various cancer tumor cells.

### Reference Values

5-18 pg/mL

### Clinical Reference

1. ML Vance. Growth-Hormone-Releasing Hormone. Clinical Chemistr 36: 415-420, 1990.
2. AM Sopwith, ES Penny, A Grossman, MO Savage, GM Besser, and LH Rees. Normal Circulating Growth Hormone Releasing Factor (hGRF) Concentrations in Patients with Functional Hypothalamic hGRF Deficiency. Clinical Endocrinology 24:395-400, 1986

## Performance

### PDF Report

Referral

### Day(s) Performed

Monday through Friday

### Report Available

12 to 14 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.

## Test Definition: FGHRH

Growth Hormone Releasing Hormone (GH-RH,  
also known as GHRF or GRF)

- 
- 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. Values obtained with different methods, laboratories, or kits cannot be used interchangeably with the results on this report. The results cannot be interpreted as absolute evidence of the presence or absence of malignant disease.

### CPT Code Information

83520

### LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FGHRH	Growth Hormone Releasing Hormone	Not Provided

Result ID	Test Result Name	Result LOINC® Value
FGHRH	Growth Hormone Releasing Hormone	14177-0