

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 | |

Test Definition: FGHRH

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

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 adenohypophyseal 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.

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- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

Test Classification

This test has not been cleared or approved by the US Food and Drug Administration.
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 |