MAYO CLINIC LABORATORIES

Test Definition: FIRGH

Growth Hormone-Releasing Hormone

(IR-GH-RH) (Immunoreactive GH-RH)

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: Red top or 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. Separate immediately and send 3 mL of serum frozen in a plastic vial.

Specimen Minimum Volume

1 mL

Reject Due To

Hemolysis	Mild reject; Gross reject
Lipemia	Mild reject; Gross reject
Icterus	Mild reject; Gross reject
Other	Specimens other than listed. Test is strict frozen

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container

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Serum	Frozen	90 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 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

Levels of IR-GH-RH

Baseline ranges: 5 - 18 pg/mL

Performance

PDF Report

No

Day(s) Performed

Monday through Friday

Report Available

10 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.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

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Test Classification

This test was performed using a kit that has not been cleared or approved by the FDA and is designated as research use only.

The analytic performance characteristics of this test have been determined by Inter Science Institute. This test is not intended for diagnosis or patient management decisions without confirmation by other medically established means.

CPT Code Information

83520

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FIRGH	Growth Hormone Releasing Hormone	14177-0

Result ID	Test Result Name	Result LOINC® Value
Z0926	Growth Hormone Releasing Hormone	14177-0