

Reporting Title: Growth Hormone, S
Performing Location: Rochester

Ordering Guidance:
For assessing growth hormone secretion in normal children, the recommended test is IGfMS / Insulin-Like Growth Factor 1, Mass Spectrometry, Serum.

For acromegaly screening, the preferred test is IGfGP / Insulin-Like Growth Factor 1 and Insulin-Like Growth Factor-Binding Protein 3 Growth Panel, Serum.

Specimen Requirements:
Patient Preparation: For at least 8 hours, patient should be fasting.
Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Specimen Volume: 0.6 mL

Collection Instructions:
1. If multiple specimens are collected, submit each vial under a separate order.
2. Label specimens appropriately with the corresponding collection times.

Forms:
[If not ordering electronically, complete, print, and send an Oncology Test Request](#) (T729) with the specimen.

| Specimen Type | Temperature | Time | Special Container |
|---------------|--------------------------|---------|-------------------|
| Serum | Refrigerated (preferred) | 7 days | |
| | Frozen | 90 days | |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|-------------------|---------|-------|--------|
| HGH | Growth Hormone, S | Numeric | ng/mL | 2963-7 |

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:
83003

Reference Values:
Males:
2-<7 years:* 0.05-5.11 ng/mL
7-<12 years:* 0.02-4.76 ng/mL

12-<14 years:* 0.01-6.20 ng/mL

14-<18 years:* 0.02-3.81 ng/mL

> or =18 years: 0.01-0.97 ng/mL

Females:

2-<7 years:* 0.05-5.11 ng/mL

7-<12 years:* 0.02-4.76 ng/mL

12-<14 years:* 0.01-6.20 ng/mL

14-<18 years:* 0.03-5.22 ng/mL

> or =18 years: 0.01-3.61 ng/mL

*Source: Karbasy K, Lin DC, Stoianov A, et al. Pediatric reference value distributions and covariate-stratified reference intervals for 29 endocrine and special chemistry biomarkers on the Beckman Coulter Immunoassay Systems: a CALIPER study of healthy community children. Clin Chem Lab Med. 2016;54(4):643-657. doi:10.1515/cclm-2015-0558

Reference intervals for patients younger than 2 years have not been established.

For International System of Units (SI) conversion for Reference Values, see

www.mayocliniclabs.com/order-tests/si-unit-conversion.html