

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.

Specimen Minimum Volume:

0.5 mL

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