



Patient Information	Specimen Information	Client Information
DOB: AGE: Gender: Phone: Patient ID: Health ID:	Specimen: Requisition: Lab Ref #: Collected: Received: Reported:	

Test Name	In Range	Out Of Range	Reference Range	Lab
IGF 1, LC/MS	144		52-328 ng/mL	EZ
Z SCORE (FEMALE)	0.0		-2.0 - +2.0 SD	

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

GROWTH HORMONE (GH)	0.2	< OR = 7.1 ng/mL	CB
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Because of a pulsatile secretion pattern, random (unstimulated) growth hormone (GH) levels are frequently undetectable in normal children and adults and are not reliable for diagnosing GH deficiency. Regarding suppression tests, failure to suppress GH is diagnostic of acromegaly.

Typical GH response in healthy subjects:
Using the glucose tolerance (GH suppression) test, acromegaly is ruled out if the patient's GH level is <1.0 ng/mL at any point in the timed sequence. [Katznelson L, Laws Jr ER, Melmed S, et al. Acromegaly: an Endocrine Society Clinical Practice Guideline. J Clin Endocrinol Metab 2014; 99: 3933-3951].
Using GH stimulation testing, the following result at any point in the timed sequence makes GH deficiency unlikely:
Adults (> or = 20 years):
 Insulin Hypoglycemia > or = 5.1 ng/mL
 Arginine/GHRH > or = 4.1 ng/mL
 Glucagon > or = 3.0 ng/mL
Children (< 20 years):
 All Stimulation Tests > or = 10.0 ng/mL