

Quest Diagnostics

PATIENT INFORMATION

REPORT STATUS: FINAL

SPECIMEN INFORMATION

Woodruff, CJ

ORDERING PHYSICIAN

XXX

SPECIMEN: DLXXX

DOB: XXX

CLIENT INFORMATION

2016-04-15 14:14:00 -0700

REQUISITION: XXX

AGE: 30

Health Test Direct-QD

LAB REF NO:

GENDER: Male

3303 Harbor Boulevard

FASTING: Unknown

Suite G-2

Costa Mesa, CA 92626

COLLECTED: 2016/04/12 08:23

Clinical Info:

RECEIVED: 2016/04/12 08:23

REPORTED: 2016/04/15 14:14

Test Name	Result	Flag	Reference Range	Lab
FASTING:NO				
IGF I, LC/MS				
IGF I, LC/MS	181		53-331 ng/mL	01
Z SCORE (MALE)	0.4		-2.0 - +2.0 SD	01

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.

Z SCORE (FEMALE)	DNR			01
GROWTH HORMONE (GH)				
GROWTH HORMONE (GH)	0.2		< OR = 7.1 ng/mL	02

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

This growth hormone assay (Beckman Coulter DxI) produces results approximately 20% lower than the previously-used assay (Siemens Immulite). Interpret results accordingly relative to the provided clinical thresholds, all of which have been prescribed by endocrine professional societies without regard to any specific growth hormone assay.

Performing Laboratory Information:

01: Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608 Ortega Hwy, San Juan Capistrano CA, phone:

Medical Director: MD, PhD Jon Nakamoto

02: Quest Diagnostics-Dallas Lab, 4770 Regent Blvd, Irving TX, phone:

Medical Director: Dr Robert L Breckenridge