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## Insulin-Like Growth Factor 1 and Insulin-Like Growth Factor Binding Protein 3 Growth Panel, Serum

**Test ID:** IGFPN

### Explanation:

Due to assay issues impacting IGF1S, testing will become non-orderable effective immediately. Pending specimens received at Mayo Clinic Laboratories will be stabilized and tested under the suggested alternative test. The duration of this test down is expected to be >30 days. Notification will be sent when testing resumes.

### Note:

The recommended alternative should be ordered in conjunction with IGFB3: Insulin-Like Growth Factor Binding Protein 3, Serum.

### Recommended Alternative Test:

## IGF-1, LC/MS

**Test ID:** FIGF1

### Methodology:

Liquid Chromatography/Mass Spectrometry (LC/MS)

### Reference Values:

Pediatric	Male (ng/mL)	Female (ng/mL)
<1 Years	14-142	17-185
1-1.9 Years	12-134	15-175
2-2.9 Years	12-135	16-179
3-3.9 Years	30-155	38-214
4-4.9 Years	28-181	34-238
5-5.9 Years	31-214	37-272
6-6.9 Years	38-253	45-316
7-7.9 Years	48-298	58-367
8-8.9 Years	62-347	76-424
9-9.9 Years	80-398	99-483
10-10.9 Years	100-449	125-541

11-11.9 Years	123-497	152-593
12-12.9 Years	146-541	178-636
13-13.9 Years	168-576	200-664
14-14.9 Years	187-599	214-673
15-15.9 Years	201-609	218-659
16-16.9 Years	209-602	208-619
17-17.9 Years	207-576	185-551

<b>Adult</b>	<b>(ng/mL)</b>
18-19.9 Years	108-548
20-24.9 Years	83-456
25-29.9 Years	63-373
30-39.9 Years	53-331
40-49.9 Years	52-328
50-59.9 Years	50-317
60-69.9 Years	41-279
70-79.9 Years	34-245
>80 Years	34-246

Z-Score (Male) -2.0 - +2.0 SD

Z-Score (Female) -2.0 - +2.0 SD

**Pediatric Tanner Stages** See Laboratory Report

**Specimen Requirements:**

- Specimen:** Serum
- Preferred:** Red Top
- Acceptable:** Serum Gel
- Submission Container:** Plastic Vial
- Specimen Volume:** 0.5 mL
- Collection Instructions:**
  1. Draw blood in a plain red-top tube(s), serum gel tube(s) is acceptable.
  2. Centrifuge and aliquot 0.5 mL of serum into a plastic vial.
  3. Send refrigerate
- Minimum Volume:** 0.3 mL

**Specimen Stability Information:**

Specimen Type	Temperature	Time
Serum	Refrigerated	7 days
	Frozen	60 days

**CPT Code:**

84305

**Day(s) Performed:** Monday through Sunday    **Report Available:** 4-8 days

**Questions**

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.