
Lab Dept: Chemistry

Test Name: IGF-1 (SOMATOMEDIN C)

General Information

Lab Order Codes: SOMC

Synonyms: Somatomedin C, Insulin-like Growth Factor-1, IGF-1; IGF1

CPT Codes: 84305 - Somatomedin

Test Includes: N/A

Logistics

Test Indications: N/A

Lab Testing Sections: Chemistry - Sendouts

Referred to: Esoterix, Inc (ESL Test: 500282B)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 – 3 days, test set up Monday - Saturday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Marble, gold or red top tube)

Draw Volume: 3 mL (Minimum: 0.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.1 mL) serum

Note: Submission of minimum volume does not allow repeat analysis

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen within 1 hour of draw, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Newborns and Infants	Term (Range ng/mL)	Pre-Term * (Range ng/mL)
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Birth:	15 - 109	21 - 93
2 months:	15 - 109	23 - 163
4 months:	7 - 124	23 - 171
6 months:	7 - 93	15 - 132
12 months:	15 - 101	15 - 179
* Values from preterm infants were determined at these ages from expected term gestation.		
Children and Young Adults	Male (ng/mL)	Female (ng/mL)
1 – 2 years:	30 - 122	56 - 144
3 – 4 years:	54 - 178	74 - 202
5 – 6 years:	60 - 228	82 - 262
7 – 8 years:	113 - 261	112 - 276
9 – 10 years:	123 - 275	140 - 308
11 – 12 years:	139 - 395	132 - 376
13 – 14 years:	152 - 540	192 - 640
15 – 16 years:	257 - 601	217 - 589
17 – 18 years:	236 - 524	176 - 452
19 – 20 years:	281 - 510	217 - 475
Adults	Male (ng/mL)	Female (ng/mL)
21 – 30 years	155 - 432	87 - 368

Critical Values:

N/A

Limitations:

N/A

Methodology:

Blocking Radioimmunoassay (RIA) after acid:alcohol extraction

References:

Esoterix Laboratory Services Web Page www.esoterix.com

