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**Lab Dept:** Chemistry

**Test Name:** IGFBP-3

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***General Information***

**Lab Order Codes:** IGF3

**Synonyms:** IGF Binding Protein-3, Insulin-like Growth Factor Binding Protein-3; IGF1BP-3; GHBP3; IGFBP3

**CPT Codes:** 83519 - Immunoassay, analyte, quantitative; by radiopharmaceutical technique

**Test Includes:** IGF Binding Protein-3 reported in mg/dL.

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***Logistics***

**Test Indications:** N/A

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Esoterix, Inc (ESL Test: 500281)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 5 days, test set up Monday - Friday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** SST (Marble, gold or red top tube)  
Alternate tube: Lavender top (EDTA) tube

**Draw Volume:** 3 mL (Minimum: 0.3 mL) blood

**Processed Volume:** 1 mL (Minimum: 0.1 mL) serum/EDTA plasma

**Note:** Minimum does not permit repeat analysis.

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen within 1 hour of draw, remove serum/plasma 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

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***Interpretive***

**Reference Range:**

Age	Male (mg/L)	Female (mg/L)
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0 – 11 months	1.1 – 3.18	1.05 – 3.27
1 year	1.29 – 3.63	1.22 – 3.72
2 years	1.47 – 4.07	1.39 – 4.15
3 years	1.64 – 4.49	1.55 – 4.56
4 years	1.80 – 4.88	1.71 – 4.93
5 years	1.94 – 5.19	1.85 – 5.24
6 years	2.04 – 5.38	1.95 – 5.40
7 years	2.10 – 5.47	2.02 – 5.52
8 years	2.15 – 5.55	2.10 – 5.63
9 years	2.22 – 5.66	2.18 – 5.76
10 years	2.30 – 5.80	2.27 – 5.91
11 years	2.39 – 5.96	2.36 – 6.06
12 years	2.46 – 6.09	2.44 – 6.18
13 years	2.53 – 6.20	2.52 – 6.29
14 years	2.58 – 6.27	2.58 – 6.37
15 years	2.61 – 6.31	2.64 – 6.43
16 years	2.64 – 6.32	2.68 – 6.47
17 years	2.66 – 6.32	2.72 – 6.50
18 years	2.68 – 6.33	2.75 – 6.51
19 years	2.70 – 6.34	2.78 – 6.53
20 years	2.72 – 6.36	2.81 – 6.55
21 – 25 years	2.75 – 6.36	2.86 – 6.56
26 – 30 years	2.68 – 6.13	2.75 – 6.22

31 – 35 years	2.61 – 5.98	2.57 – 5.80
36. – 40 years	2.57 – 5.98	2.50 – 5.71
41 – 45 years	2.52 – 6.02	2.41 – 5.61
46 – 50 years	2.37 – 5.89	2.34 – 5.61
51 – 55 years	2.25 – 5.81	2.31 – 5.70
56 – 60 years	2.13 – 5.71	2.24 – 5.72
61 – 65 years	2.03 – 5.61	2.16 – 5.69
66 – 70 years	1.93 – 5.49	2.06 – 5.57
71 – 75 years	1.78 – 5.20	2.01 – 5.55
79 – 80 years	1.67 – 5.02	1.95 – 5.49
81 – 85 years	1.63 – 5.01	1.93 – 5.50
86 – 90 years	1.67 – 5.24	1.96 – 5.67
91+ years	Not established	Not established

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** ICMA

**References:** [Esoterix Laboratory Services Web Page](#) August 2016

**Updates:**  
8/22/16: Tube update  
11/3/2016: Method and reference range update