Lab Dept: Chemistry

Test Name: INSULIN LEVEL

**General Information**

Lab Order Codes: INS

Synonyms: N/A

CPT Codes: 83525 – Insulin; total

Test Includes: Insulin level reported in uIU/mL.

**Logistics**

Test Indications: N/A

Lab Testing Sections: Chemistry - Sendouts

Referred to: Esoterix, Inc (Test# 500220)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 5 days, test is set up Monday - Saturday

Special Instructions: N/A

**Specimen**

Specimen Type: Blood

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

Draw Volume: 1.5 mL (Minimum: 0.6 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.2 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

**Interpretive**

<table>
<thead>
<tr>
<th>Age</th>
<th>Range (uU/mL)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Following a 4-12 hour fast</td>
<td></td>
</tr>
<tr>
<td>Prepubertal, 0 – 8 years:</td>
<td>&lt;=13</td>
</tr>
<tr>
<td>Pubertal Children:</td>
<td>&lt;=17</td>
</tr>
<tr>
<td>Adults:</td>
<td>&lt;=17</td>
</tr>
<tr>
<td>2 Hours Post Meal (Sustacal):</td>
<td>7.6 – 26</td>
</tr>
<tr>
<td>2 Hours Post Glucose (75 gm):</td>
<td>15 – 53</td>
</tr>
</tbody>
</table>

Critical Values: N/A

Limitations: N/A

Methodology: Automated Immunochemiluminometric Assay (ICMA)

References: Esoterix Laboratory Services Web Page [www.esoterix.com](http://www.esoterix.com) January 2013

Esoterix, Inc. "Expected Value & S.I. Unit Conversion Table“ Fifth Edition

Updates: 5/17/2010: Method change and reference range changes. Specimen volumes adjusted for new method. Fasting specimen not required. 1/7/2012: Units previously listed as uU/mL. Updated reference ranges. 8/22/2016: Tube update