<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test Name:</strong></td>
<td>PROLACTIN</td>
</tr>
</tbody>
</table>

**General Information**

- **Lab Order Codes:** PROL
- **Synonyms:** N/A
- **CPT Codes:** 84146 - Prolactin
- **Test Includes:** Prolactin concentration reported in ng/mL.

**Logistics**

- **Test Indications:** Useful for detecting prolactin-secreting pituitary tumors; aiding in the evaluation of hypothalmic disease, hypopituitarism, etc. Prolactin initiates and maintains lactation in females and suppresses gonadal function in both sexes.
- **Lab Testing Sections:** Chemistry
- **Phone Numbers:**
  - MIN Lab: 612-813-6280
  - STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 1 day
- **Special Instructions:** N/A

**Specimen**

- **Specimen Type:** Blood
- **Container:** Preferred: Green top (Li Heparine) tube
  Alternate: Red, marble or gold top tube
- **Draw Volume:** 1.5 mL (Minimum: 0.75 mL) blood
- **Processed Volume:** 0.5 mL (Minimum: 0.25 mL) plasma/serum
- **Collection:** Routine venipuncture
**Special Processing:**
Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a plastic sample cup. Store at 2-8 degrees Centigrade for up to 7 days.

**Patient Preparation:**
None

**Sample Rejection:**
Mislabeled or unlabeled specimen

**Interpretive**

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>Age:</th>
<th>Range (ng/mL):</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Male:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;30 days:</td>
<td></td>
<td>12.6 - 213</td>
</tr>
<tr>
<td>30 days - &lt;1 year:</td>
<td></td>
<td>6.3 - 114</td>
</tr>
<tr>
<td>1 - &lt;19 years:</td>
<td></td>
<td>4.2 – 23.0</td>
</tr>
<tr>
<td>Adult:</td>
<td></td>
<td>3.46 – 19.40</td>
</tr>
<tr>
<td><strong>Female:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;30 days:</td>
<td></td>
<td>12.6 - 213</td>
</tr>
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<td></td>
<td>4.2 – 23.0</td>
</tr>
<tr>
<td>Adult:</td>
<td></td>
<td>5.18. – 26.53</td>
</tr>
</tbody>
</table>

**Critical Values:**
N/A

**Limitations:**
Heterophile antibodies may interfere with immunoassay testing.

**Methodology:**
Chemiluminescent Microparticle Immunoassay (CMIA)

**References:**
Abbott Alinity i Prolactin Reagent Instructions for Use (February 2018) Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

Abbott Alinity i Prolactin Calibrator Kit Package Insert (February 2018) Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

CALIPER Reference Interval Studies (accessed 1027/2020)


**Updates:**

7/22/2014: Method update, previously listed as Competitive Chemiluminescent Assay.
2/9/2016: Updated alt tube type
12/11/2020: Updated for method Abbott Alinity, removed method Siemens Vista