Calcium, Ionized

**CPT Code:** 82330  
**Order Code:** C2383  
**Includes:** Calcium Ionized and Calcium Normalized  
**ABN Requirement:** No  
**Synonyms:** Ionized Calcium; Free Calcium  
**Specimen:** Serum  
**Volume:** 3.5 mL  
**Minimum Volume:** 0.3 mL  
**Container:** Gel-barrier tube (SST, Tiger Top)

**Collection:**

1. Collect and label sample according to standard protocols.  
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.  
3. Allow blood to clot 30 minutes.  
4. Centrifuge for 10 minutes.

**Special Instructions:** Fill tube completely and allow to clot for 30 minutes. Do not open the tube once specimen is centrifuged. Collect a separate sample if other tests are required. Centrifuge within 2 hours of collection. This test is not available for add-on testing.

**Transport:** Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

**Stability:**

- **Ambient (15-25°C):** 4 hours  
- **Refrigerated (2-8°C):** 7 days  
- **Frozen (-20°C):** not acceptable

**Causes for Rejection:** Specimens other than centrifuged serum in an unopened SST; samples received frozen; grossly hemolyzed or lipemic sample; improper labeling; samples not stored properly; samples older than stability limits

**Methodology:** Ion Selective Electrode (ISE)
**Turn Around Time:** 2 days

**Reference Range:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Age</th>
<th>mmol/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Normalized</td>
<td>All Ages</td>
<td>1.08-1.30</td>
</tr>
<tr>
<td>Calcium Ionized</td>
<td>All Ages</td>
<td>1.08-1.30</td>
</tr>
</tbody>
</table>

**Urgent Values:**

<table>
<thead>
<tr>
<th>Age (Low)</th>
<th>Urgent Low Value (mmol/L)</th>
<th>Age (High)</th>
<th>Urgent High Value (mmol/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>&lt;0.90</td>
<td>All Ages</td>
<td>&gt;1.50</td>
</tr>
</tbody>
</table>

**Clinical Information:** Evaluation of calcium metabolism.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*