Carbamazepine

**CPT Code:** 80156  
**Order Code:** C2353  
**ABN Requirement:** No  
**Synonyms:** Carb; Tegretol  
**Specimen:** Serum  
**Volume:** 1.0 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 at 1300 rcf for 10 minutes.

**Special Instructions:** Sample should be collected immediately prior to the administration of the next dose of carbamazepine. Write the date and time of the last dose of carbamazepine on the requisition.

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

**Stability:**

- **Ambient (15-25°C):** 2 days
- **Refrigerated (2-8°C):** 14 days
- **Frozen (-20°C):** 30 days
- **Deep Frozen (-70°C):** 30 days

**Causes for Rejection:** Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits

**Methodology:** Fluorescence Polarization Immunoassay (FPIA)

**Turn Around Time:** 4 days
Reference Range:

<table>
<thead>
<tr>
<th>Age</th>
<th>µg/mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>8.0-12.0</td>
</tr>
</tbody>
</table>

Urgent Values:

<table>
<thead>
<tr>
<th>Age</th>
<th>µg/mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>&gt;15.0</td>
</tr>
</tbody>
</table>

Intended Use: The carbamazepine test is used to monitor therapeutic levels of carbamazepine.