Thyroxine Binding Globulin

**CPT Code:** 84442  
**Order Code:** C2378  
**ABN Requirement:** No  
**Synonyms:** TBG  
**Specimen:** Serum  
**Volume:** 0.5 mL  
**Minimum Volume:** 0.4 mL  
**Container:** Gel-barrier tube (SST, Tiger Top)

**Collection:**

**Serum:**

1. Collect and label sample according to standard protocols.  
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.  
3. Let tube stand in a vertical position to allow blood to clot 30 minutes.  
4. Centrifuge for 10 minutes.

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

**Stability:**

- **Ambient (15-25°C):** 24 hours  
- **Refrigerated (2-8°C):** 7 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:** Chemiluminescence Immunoassay (CLIA)

**Turn Around Time:** 3-6 days

**Reference Range:**
<table>
<thead>
<tr>
<th>Age</th>
<th>ug/mL</th>
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</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>13-30</td>
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</table>

**Clinical Information:** Determine binding capacity for T4; document cases of hereditary deficiency of TBG, in work-up of thyroid disease, particularly in patients with low T4, high T3 (uptake) who clinically seem eumetabolic. Such patients may have hereditary anomalies of TBG. They may require no treatment.

*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.*