**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 at 1300 rcf for 10 minutes at room temperature.

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

**Stability:**

- **Ambient (15-25°C):** 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:**
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.