### General Information

**Lab Order Codes:** TBG  
**Synonyms:** TBG  
**CPT Codes:** 84442 – Thyroxine binding globulin  
**Test Includes:** TBG reported in mg/dL.

### Logistics

**Test Indications:** N/A  
**Lab Testing Sections:** Chemistry - Sendouts  
**Referred to:** Esoterix Inc. (ESL Test: 500318)  
**Phone Numbers:**  
MIN Lab: 612-813-6280  
STP Lab: 651-220-6550  
**Test Availability:** Daily, 24 hours  
**Turnaround Time:** 1 - 3 days, test set up Monday-Friday  
**Special Instructions:** N/A

### Specimen

**Specimen Type:** Blood  
**Container:** SST (Gold, marble or red) tube  
Alternate tube: Lavendar (EDTA) top tube  
**Draw Volume:** 3 mL (Minimum: 0.9 mL) blood  
**Processed Volume:** 1 mL (Minimum: 0.3 mL) serum  
**Collection:** Routine venipuncture  

Note: Minimum value does not allow for repeat analysis.
Special Processing: Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom vial. Separate within one hour of collection. Store and ship frozen. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

**Interpretive**

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>Age</th>
<th>Range (ug/mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Children:</td>
<td>12.7 – 27.9</td>
</tr>
<tr>
<td></td>
<td>Adults:</td>
<td>13 – 39</td>
</tr>
</tbody>
</table>

Critical Values: N/A

Limitations: N/A

Methodology: Competitive Immunoassay (ICMA – Chemiluminescent) Assay

References: Esoterix Inc. “Expected Value and S.I. Unit Conversion Table”, 5th Edition

[Esoterix Laboratories](#) November 2017

Updates: 9/27/2010: Minimum volume, method (previously listed as Double antibody RIA) and reference range update
11/13/2017: Collection container update.