Lab Dept: Chemistry

Test Name: TSH RECEPTOR ANTIBODY

**General Information**

**Lab Order Codes:** THYS

**Synonyms:** Thyroid Stimulating Hormone (TSH) Receptor Antibody, Serum; TRAb/TBII

**CPT Codes:** 83519 – Immunoassay for analyte other than infectious agent antibody or infectious agent antigen; quantitative, by radioimmunoassay

**Test Includes:** Antibody titer reported in U/L.

**Logistics**

**Test Indications:** Thyroid receptor antibodies are elevated in patients with Graves' disease and autoimmune thyroiditis. Thyroid receptor antibodies are not found in the normal population. TRAb are present in more than 90% of patients with active Graves' disease. TSI activity is present in approximately 80% of patients with Graves' disease. Some sera potent in TRAb activity display no TSI activity, and apparently the reverse is also the case.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Esoterix, Inc. (Test: 500308)

**Phone Numbers:**
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 7 days, Test set up Tuesday and Thursday

**Special Instructions:** N/A

**Specimen**

**Specimen Type:** Blood

**Container:** Red top tube

**Draw Volume:** 3 mL (Minimum: 0.9 mL) blood
**Processed Volume:** 1 mL (Minimum: 0.3 mL) serum  
*Note:* Minimum volume does not allow for repeat testing.

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen within 1 hour of collection, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

### Interpreive

<table>
<thead>
<tr>
<th>Antibody Titer - All Ages (U/L)</th>
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<tbody>
<tr>
<td>&lt;1 U/L</td>
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<tr>
<td>1.1 – 1.5 U/L</td>
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<tr>
<td>&gt;1.5 U/L</td>
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**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Binding inhibition assay

**References:**

- Esoterix Inc “Expected Values and S.I. Unit Conversion Tables”, 2009