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**Lab Dept:** Chemistry

**Test Name:** TSH RECEPTOR ANTIBODY

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***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.

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***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

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***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

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***Interpretive***

**Reference Range:**

<b>Antibody Titer - All Ages (U/L)</b>	
<1 U/L	Negative
1.1 – 1.5 U/L	Equivocal
>1.5 U/L	Positive

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Binding inhibition assay

**References:** Esoterix Inc. Web Page [www.esoterix.com](http://www.esoterix.com) October 2015

Esoterix Inc "Expected Values and S.I. Unit Conversion Tables", 2009