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: SST (Gold, marble or red) 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

Interpretive

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

Limitations: N/A

Methodology: Binding inhibition assay


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