
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

Reference Range:

| Antibody Titer - All Ages (U/L) | |
|--|-----------|
| <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 December 2016

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