<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Chemistry</th>
</tr>
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<tbody>
<tr>
<td><strong>Test Name:</strong></td>
<td>TSH, SENSITIVE</td>
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**General Information**

**Lab Order Codes:**
TSH

**Synonyms:**
Thyroid Stimulating Hormone; Ultra sensitive TSH; Thyrotropin

**CPT Codes:**
84443 – Thyroid stimulating hormone (TSH)

**Test Includes:**
TSH concentration reported in uIU/mL.

**Logistics**

**Test Indications:**
TSH is synthesized and secreted by the anterior pituitary. TSH is responsible for stimulating cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4. The measurement of circulating TSH is important in evaluating hyperthyroidism.

**Lab Testing Sections:**
Chemistry

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

**Test Availability:**
Daily, 24 hours

**Turnaround Time:**
1 day

**Special Instructions:**
N/A

**Specimen**

**Specimen Type:**
Blood

**Container:**
Preferred: Green top (Li Hep) tube
Alternate: Red, marble or gold top tube

**Draw Volume:**
1.5 mL (Minimum: 0.6 mL) blood

**Processed Volume:**
0.5 mL (Minimum: 0.2 mL) plasma/serum

**Collection:**
Routine venipuncture
Special Processing: Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a plastic sample cup. Store at 2-8 degrees Centigrade for up to 7 days.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

**Interpretive**

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<tr>
<th>Reference Range:</th>
<th>Age:</th>
<th>Range:</th>
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<tbody>
<tr>
<td>≤7 days:</td>
<td>3.2 - 21.0 uIU/mL</td>
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</tr>
<tr>
<td>≥8 days:</td>
<td>0.5 – 4.8 uIU/mL</td>
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**Critical Values:** N/A

**Limitations:** Heterophile antibodies may interfere with immunoassay testing.

**Methodology:** Homogeneous Sandwich Chemiluminescent Immunoassay

**References:**
- Siemens Dimension Vista TSH Instructions For Use (7/16/13) Siemens Healthcare Diagnostics

**Updates:**
- 8/29/2005: Method previously listed as Two Site Sandwich Immunoassay Direct Chemiluminescence standardized to WHO 3rd IRP reference material.
- 10/1/2008: Name change to include Sensitive
- 7/22/14: Method change, previously listed as Competitive Chemiluminescent Immunoassay
- 2/9/2016: Update alt tube type