**Clinical Use**
- Confirm presence of autoimmune thyroid disease

**Reference Range**

<table>
<thead>
<tr>
<th>Test</th>
<th>IU/mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thyroid Peroxidase Antibody</td>
<td>&lt;35</td>
</tr>
<tr>
<td>Thyroglobulin Antibody</td>
<td>&lt;20</td>
</tr>
</tbody>
</table>

**Interpretive Information**
- Hashimoto thyroiditis
- Primary hypothyroidism
- Graves disease
- Postpartum thyroiditis

**Clinical Background**
Thyroid peroxidase (TPO) antibodies are present in approximately 95% of patients with Hashimoto thyroiditis and 85% of patients with Graves disease. Thyroglobulin (Tg) antibodies are positive in about 60% and 30% of adult Hashimoto and Graves disease patients, respectively. Tg antibodies are less frequently detected in children with these diseases. For additional information, see Clinical Background for the individual tests (267X and 5081X).

**Method**

**Thyroid Peroxidase Antibody**
- Immunochemiluminometric assay (ICMA)
- Analytical sensitivity: 10 IU/mL

**Thyroglobulin Antibody**
- Immunochemiluminometric assay (ICMA)
- Analytical sensitivity: 20 IU/mL

**Specimen Requirements**
1 mL refrigerated serum
0.6 mL minimum
No additive red top preferred
SST red top acceptable