

TEST UPDATE: Thyroglobulin Antibody

Lorne Holland, MD, Lab Director
Jeff Johnson, AVP of Operations

This change will take effect **April 17, 2012**

Overview and Clinical Utility:

A positive bias has been observed for the current Thyroglobulin reagent. A nation-wide shortage has made it impossible to order replacements for our current reagents. Therefore, effective April 17, 2012 PathGroup will switch testing to an alternate platform which will result in a change to expected values and the Reference Range for Thyroglobulin Antibodies. Thyroglobulin autoantibodies (TgAb) are often present in patients with autoimmune thyroid disease. This assay is intended to be used as an aid in the diagnosis of Hashimoto's and Graves' diseases which are autoimmune diseases affecting the thyroid gland. This assay is also necessary to identify patients whose serum contains thyroglobulin autoantibodies that may interfere with serum thyroglobulin measurements.

Test Methodology:

The Thyroglobulin Antibody assay is performed using Chemiluminescent Immunoassay.

Ordering:

Test Code	Test Name	CPT	LOINC
ATHYG	Thyroglobulin Antibody	86800	56536-6

New Test	Previous Test
Methodology: Chemiluminescent Immunoassay	Methodology: Chemiluminescent Immunoassay
M/F : ≤ 4 IU/mL	M/F : ≤ 60 U/mL
About 95% of individuals without apparent thyroid disease will have values ≤ 4 IU/mL.	About 90% of individuals without apparent thyroid disease will have values ≤ 60 U/mL.
A result above 4 IU/mL significantly increases the likelihood of autoimmune thyroid disease, but should not be used alone to make the diagnosis. A result of less than 4 IU/mL does not definitely rule out the possibility of autoimmune thyroid disease.	A result above 60 U/mL significantly increases the likelihood of autoimmune thyroid disease, but should not be used alone to make the diagnosis. A result of less than 60 U/mL does not definitely rule out the possibility of autoimmune thyroid disease.
Units: IU/mL	Units: U/mL

Specimen Collection and Storage:

- 1) Collect specimen in a serum separator tube.
- 2) Serum specimens are stable refrigerated for 7 days.
- 3) Transport specimen refrigerated.

Test Performed:
Sunday - Saturday

Turnaround Time:
24 hours

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227