



# Technical Memorandum

**TO:** Physicians, Staff  
**From:** Wesley Kim, MD, Medical Director  
**Date:** April 5, 2013  
**Subject:** Thyroglobulin, Thyroglobulin Antibody and Thyroid Peroxidase Antibody

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Effective 4/15/2013, Thyroglobulin (TG), Thyroglobulin Antibody (Anti-TG), and Thyroid Peroxidase Antibody (Anti-TPO) testing will change from current Siemens Immulite 2000 method to Beckman Access II (TG and Anti-TG) and Roche Modular (Anti-TPO) testing platforms.

The table below shows the current reference ranges and the tentative new reference ranges. Comparison studies between the new and current methods, using patient samples, shows slight variations in the numerical values between methods. This accounts for the variation in the reference ranges as seen below. Qualitative comparison however shows the two methods agree well as far as flagging of patients abnormally high or low.

Despite the good correlation, it is important to remember that results for any given test do not always correlate between two different testing methods. As such, for those patients whose clinical conditions are currently being followed with these assays, it is recommended that they be re-baselined with the new assay before making clinical decisions.

### ***Test Information:***

<b>TEST</b>	<b>ORDER CODE</b>	<b>OLD REFERENCE RANGE</b>	<b>NEW REFERENCE RANGE</b>	<b>UNITS</b>
Thyroglobulin Panel Includes:	4360			
Thyroglobulin (TG)	4360	< 35	< 50	ng/mL
Thyroglobulin Antibody (Anti-TG)	8310	< 20	< 4	IU/mL
Thyroid Peroxidase Antibody (Anti-TPO)	4650	< 35	< 34	IU/mL

DLS will monitor the new method very closely following implementation and make adjustments to ensure optimal performance. Because of this, it is important that any feedback, questions, or concerns that you may have in regards to laboratory performance, be immediately communicated to our client services, your marketing representative, or a DLS Laboratory Director, so that they may be addressed to ensure the quality and safety of laboratory results.

You may contact DLS Client Services at 589-5101, or Dr. Wesley J. Kim at 589-5131.