

# MEMORANDUM

To: All Regional Medical Laboratory, Inc. (RML) Clients

From: Ryan Hatley, MHA, C(ASCP)<sup>CM</sup>, Manager of Chemistry  
Caitlin Schein, MD, Chief of Chemistry and LCMS

Date: August 28, 2017

**Subject: Thyroglobulin Orderables**

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RML is pleased to announce the following updates to our thyroglobulin test offerings effective 9/5/2017:

While routine measurement of serum Thyroglobulin (Tg) for initial evaluation of thyroid nodules is not recommended by the American Thyroid Association, tandem serial measurement of Tg and Thyroglobulin Autoantibody (anti-Tg Ab) plays an important role in risk stratification and longitudinal monitoring of patients with differentiated thyroid cancer. Anti-Tg Ab occur in approximately 25% of thyroid cancer patients and can falsely decrease Tg measured by Immunoassay. In the presence of anti-Tg Ab, an accurate measurement of Tg may be obtained by Liquid Chromatography Tandem Mass Spectrometry.

Therefore, RML will replace Thyroglobulin (TC#3608030) with a Thyroglobulin Panel (TC# 3612483), which includes both Tg and anti-Tg Ab by Immunoassay. RML will also offer a Thyroglobulin Analyzer (TC# 3612485), which will reflex a Thyroglobulin by Immunoassay on anti-Tg Ab-negative serum or a Thyroglobulin by Liquid Chromatography Tandem Mass Spectrometry on anti-Tg Ab-positive serum. Frozen or refrigerated serum will remain the appropriate specimen type for Thyroglobulin studies.

NEW TEST NAME	TESTS INCLUDED	MNEMONIC	ORDER CODE
Thyroglobulin Panel	Tg and anti-Tg Ab by Immunoassay	<b>Thyroglob Pnl</b>	3612483
Thyroglobulin Analyzer	Anti-Tg Ab with reflex to Tg by Immunoassay or Tg by LC-MS	<b>Thyroglob An</b>	3612485

If you have any questions or concerns about this update, please contact Dr. Caitlin Schein or Ryan Hatley at 918-744-2553.