



# TECHNICAL NOTICE

## THE MEDICAL FOUNDATION

Thyroglobulin • Extended Lower Sensitivity

Notification Date: 20 Nov 2017

Effective Date: 20 Nov 2017

### CHANGE IN ASSAY SENSITIVITY FOR THYROGLOBULIN BY BECKMAN ACCESS METHOD

Test Codes: [30112 Thyroglobulin Antibody and Thyroglobulin, Tumor Marker, Reflex](#)  
[30115 Thyroglobulin, Tumor Marker, by CIA](#)

The lowest detectable level of Thyroglobulin (Tg) by Beckman Access method has been extended from 0.3 ng/mL to 0.1 ng/mL. This new assay sensitivity was determined by testing low concentrate samples in 10 replicates (see the data below). This change will not affect the assay reference range. Thyroglobulin assay continues to be performed on Beckman Access 2 platform.

|          | Expected Tg Concentration | Number of Replicates | Mean (Tg Detected Concentration) | Standard Deviation |
|----------|---------------------------|----------------------|----------------------------------|--------------------|
| Sample A | 0.1 ng/mL                 | 10                   | 0.19 ng/mL                       | 0.04 ng/mL         |
| Sample B | 4.42 ng/mL                | 10                   | 4.41 ng/mL                       | 0.1 ng/mL          |

Specimen collection and handling requirements have not changed.

[TMF online Test Directory](#)

**Questions:** Please contact **CLIENT SERVICES 800-950-7263**, Qing Li, PhD, [qli@sbfm.org](mailto:qli@sbfm.org), or Mary Youngs [myoungs@sbfm.org](mailto:myoungs@sbfm.org), Manager Chemistry and Immunoassays

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