
Anti-TPO Assay Reagent Upgrade and Associated Reference Range Changes

This communication is from:

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Applicable to: OSUWMC, The James and East Hospitals Medical Staff, and University Reference Laboratory Clients

SUMMARY OF TEST CHANGE

Effective June 2, 2026, the Special Function Laboratory will be implementing the manufacturer's second-generation anti-thyroid peroxidase (anti-TPO) reagent as part of a reagent upgrade.

As a result of this change, the anti-TPO assay reference range and reportable range will be updated.

Current Assay

Test Name: Anti Microsomal Antibody

Reference Range: <60.0 IU/mL

Reportable Range: 28.0 – 130,000.0 IU/mL

New Assay (Second-Generation Reagent)

Test Name: Anti Thyroid Peroxidase

Reference Range: <10.4 IU/mL

Reportable Range: 4.5 – 400.0 IU/mL

Please note that results generated using the new reagent may not be directly comparable to previous patient results due to differences in assay design and analytical performance characteristics associated with the manufacturer upgrade.

The laboratory has completed the appropriate validation and verification studies prior to implementation of the new reagent.

Please contact the Special Function Laboratory at 614-293-3443 with any questions regarding this change.

See the online test catalog for more information - [The Ohio State Wexner Medical Center Labs Test Catalog](#)

