



To: UPHS Physicians and Staff

Date: 5/27/2026

From: Eline T. Luning Prak, MD, PhD
Joyce Gonzalez, BS, M(ASCP)

Re: New assay method changes for Gliadin IgG and IgA, TTG IgA, MPO and PR3

Beginning on 5/27/2026, the Immunology Laboratory's current ELISA assays for the following tests will be discontinued and replaced with chemiluminescence assays.

Gliadin Peptide Antibodies, IgG and IgA Assay

Validation studies showed a good correlation between the two assays. Please note that the reference ranges will remain the same, but units have changed. In the old ELISA, the assay result was reported in units. In the new chemiluminescence assay, relative light units are converted to chemiluminescent units (CU) using a calibration curve.

Current HUP Reference Range/Units:

<20 units = negative

20-30 units = weak positive

>30 units = positive

New HUP Reference Range/Units:

<20 CU = negative

20-30 CU = weak positive

>30 CU = positive

CU = chemiluminescent units

The order code will remain the same as Gliadin Antibodies, [**GLIADIN**].

The tube type, SST, will not change.

Anti-Tissue Transglutaminase IgA Antibody Assay

Validation studies showed good correlation between the two assays. Please note that the reference ranges and units have changed.

Current HUP Reference Range/Units:

0-3 U/mL = negative

4-10 U/mL = weak positive

>10 U/mL = moderate to Strong positive

New HUP Reference Range/Units:

<20 CU = negative

20-30 CU = weak positive

>30 CU = positive

CU = chemiluminescent units

The order code will change from Recombinant Tissue Transglutaminase AB, IgA; [RTTGIGA] to H-TISSUE TRANSGLUTAMINASE AB, IGA [HTTGIGA].

The tube type, SST, will not change.

Anti Neutrophil Cytoplasmic Antibody including Slide Evaluation, Anti MPO, and Anti PR3 Assay

The anti MPO and anti PR3 assays will be changing in this profile. Validation studies showed a good correlation between the two assays. Please note that the reference ranges and units have changed.

Current HUP Reference Range/Units:

<=20 units = negative

21-30 units = weak positive

>30 units = moderate to strong positive

New HUP Reference Range/Units:

<20 CU = negative

>=20 CU = positive

CU = chemiluminescent units

The order code will remain the same ANCA(MPO/PR3) ANTIBODIES [**ANCAABS**].

The tube type, SST, will not change.

For clinical questions related to these changes, please contact the Immunology Resident at 215- 980-9871. For operational questions related to this change, please contact Joyce Gonzalez at Joyce.Gonzalez@pennmedicine.upenn.edu or 215-662-6023.

