



To: Penn Medicine Physicians and Staff

Date: 4/30/2020

From: Malek Kamoun, MD, PhD
Eline Luning Prak, MD, PhD
Joyce Gonzalez, BS, M(ASCP)

Re: New assay methods for Herpes Simplex Virus 1 IgG and Herpes Simplex Virus 2 IgG

Beginning on May 4, 2020, Penn Medicine Pathology and Laboratory Medicine will change these current antibody assay methods: HSV-1 IgG and HSV-2 IgG. These assays will now be performed on the DiaSorin Liaison XL chemiluminescent analyzer which replaces the Trinity ELISA methods performed on the DSX analyzer. Validation studies showed excellent correlation between the two assays.

HSV-1 IgG antibody assay

The reference range and units of measure have changed from a positive cutoff of >1.09 units for the old assay to ≥ 1.10 IV for the new assay.

Interpretive information for the new assay will be as follows:

Negative: <0.9 IV

Equivocal: ≥ 0.9 to <1.10 IV

Positive: ≥ 1.10 IV

HSV-2 IgG antibody assay

The reference range and units of measure have changed from a positive cutoff of >1.09 units for the old assay to ≥ 1.10 IV for the new assay.

Interpretive information for the new assay will be as follows:

Negative: <0.9 IV

Equivocal: ≥ 0.9 to <1.10 IV

Positive: ≥ 1.10 IV

The order codes and tube type (SST) will not change.

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