



MEMORANDUM #170

TO: UNCHCS Attending Physicians, Housestaff, Clinical Nurse Coordinators, Department Heads and Supervisors

FROM: *EW* Eric Weimer, PhD; Associate Director, Clinical Microbiology/Immunology Laboratories
JS John Schmitz, PhD; Associate Director, Clinical Microbiology/Immunology Laboratories
PG Peter Gilligan, PhD; Director, Clinical Microbiology/Immunology Laboratories
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SUBJECT: Supplemental HIV Testing

DATE: February 16, 2017

Effective February 17, 2017, UNC McLendon Clinical Laboratories (MCL) Immunology Laboratory will switch to Bio-Rad Geenius HIV supplemental assay. This test is the only available test capable of differentiating HIV-1 and HIV-2 antibodies in a rapid format. This testing was previously done by the Bio-Rad Multispot which is no longer being manufactured.

The Bio-Rad Geenius assay will be performed as a reflex test on all HIV-1/2 antibody/antigen combination (Ab/Ag Combo) assay positive samples. Bio-Rad Geenius results may be negative, positive or indeterminate for HIV-1 and/or HIV-2. HIV-1 nucleic acid testing will be automatically reflexed on all Bio-Rad Geenius negative and indeterminate samples. HIV-2 nucleic acid testing is available as a send-out test if needed. The following table provides an overview of tests performed and potential results that may be encountered:

Ab/Ag Combo	Geenius HIV-1	Geenius HIV-2	HIV NAT	Interpretation
Negative	Not performed	Not performed	Not performed	Negative HIV-1/2
Positive	Positive	Negative or Indeterminate	Not performed	HIV-1 Seropositive
Positive	Negative or Indeterminate	Positive	Not performed	HIV-2 Seropositive
Positive	Positive	Positive	HIV-1 (send-out HIV-2 as appropriate)	HIV-2 seropositive or HIV Seropositive Untypeable
Positive	Negative or Indeterminate	Negative or Indeterminate	Reflex HIV-1 (Send-out HIV-2 as appropriate)	HIV-1/2 negative or Acute HIV-1/2

HIV Testing may be ordered using the EPIC order: HIV Antigen/Antibody Combo. Results will be available in EPIC under Laboratory Results>HIV.

For questions or more information regarding this change, please contact the Clinical Immunology Laboratory at (984) 974-1815 or Dr. John Schmitz at (984) 974-1452.