

TEST UPDATE

Changes to HIV Testing Algorithm

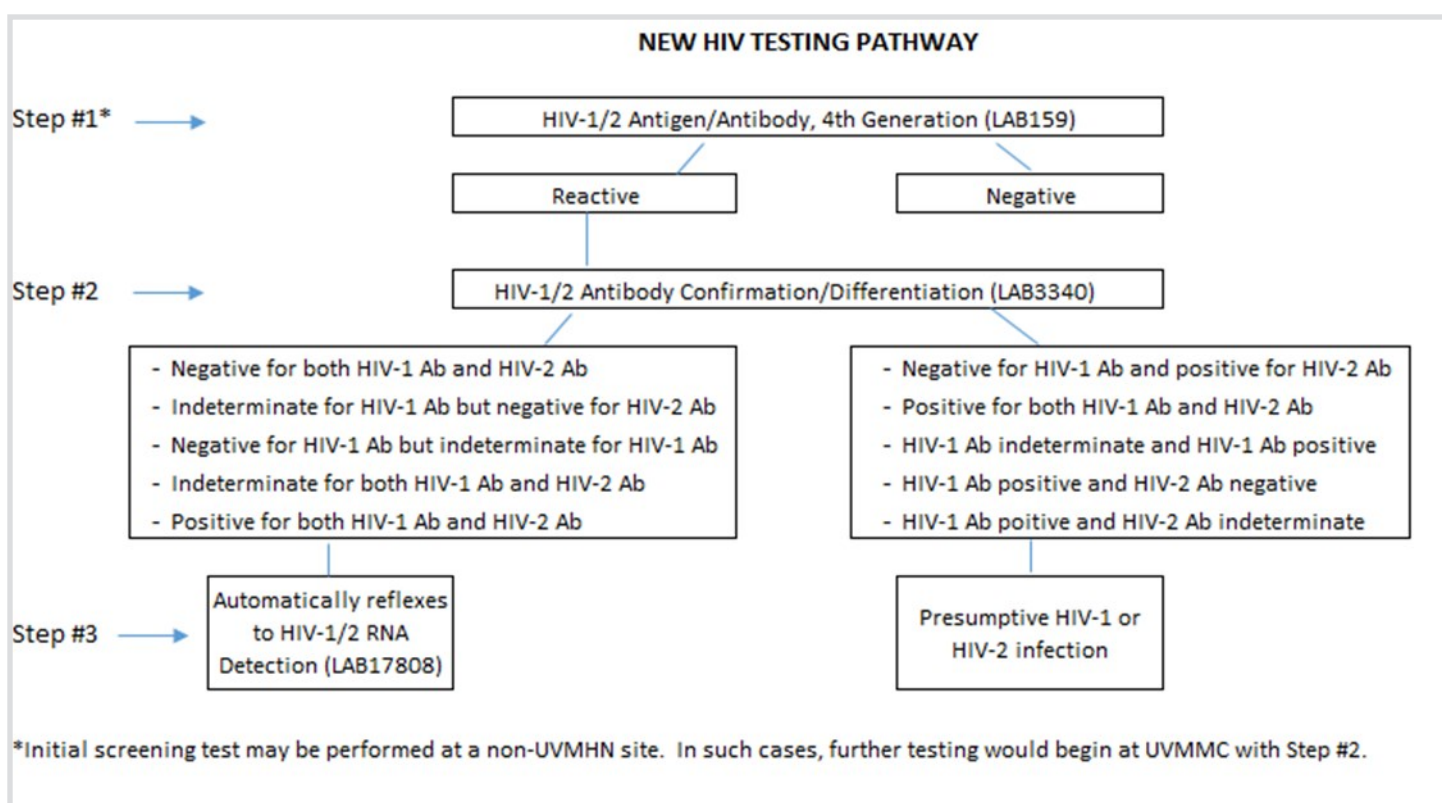
UVMHC

Effective 6/4/25, the UVMHC laboratories will implement the three-step diagnostic algorithm for HIV testing. The algorithm will now include the Mayo test, HIV-1/2 RNA detection (LAB17808). Only samples that are negative and/or indeterminate for either HIV-1/2 antibodies or positive for both HIV-1/2 antibodies will reflex to the third step.

This new algorithm will ensure more accurate diagnosis of acute HIV infections.

A notable change is that the **minimum sample volume will increase from 0.8 mL to 1.0 mL** for all orders.

Updated Testing Algorithm:



Test Build information:

Current Tests	Epic Code	Atlas Code	Mayo Access ID
HIV 1 & 2 Antigen/Antibody, 4th Generation	LAB159	HIVSCN	FAH5747
HIV Antibody Confirmation/Differentiation	LAB3340	HIVDI	FAH5829

PATHOLOGY & LABORATORY MEDICINE

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Test Build Information (cont.):

New Reflex-Only Test (not ord)	Epic Code	Atlas Code	Mayo Test ID	Order LOINC	CPT Code(s)
HIV-1/HIV-2 RNA Detection, S.	LAB17808	LAB17808	HIS12	96557-4	87535, 87538
Result Component(s)	Epic Code	Atlas Code	Mayo Test ID	Result LOINC	Notes
HIV-1 RNA	12301020846	M616342	616342	25835-0	
HIV-2 RNA	12301020847	M616343	616343	69353-1	
Specimen Requirements:					
N/A - Specimen will already be in the lab.					
Shipping Instructions:					
Ship specimen frozen on dry ice.					
If shipment will be delayed for more than 24 hours, freeze serum specimen at -20 to -80 degrees C until shipment on dry ice.					

For questions of concerns related to these changes, please reach out to Dr. Hanna Loving (hanna.loving@uvmhealth.org).

References

CDC Quick Reference Guide—Laboratory testing for the diagnosis of HIV infection: updated recommendations <http://stacks.cdc.gov/view/cdc/23446>

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