HDRL US Army HIV Algorithm AUG 2017

BioRad HIV Ag/Ab Combo Screen

- Reactive
  - Repeat HIV Ag/Ab Combo in Duplicate
    - 2 of 3 Tests Reactive
      - HIV 1 Positive
        - HIV-2 Positive
          - Request additional specimen
        - Report "Positive HIV 1 Ab"
    - HIV 1 Negative
      - HIV-1 Western Blot
        - Positive
          - Report "Positive HIV 1 Ab"
        - Negative or Indeterminate
          - Qualitative RNA PCR (APTIMA)
            - Reactive
              - Report "Acute HIV-1 Infection"
            - Non-Reactive
              - Report "Negative for HIV"
        - Quantitative HIV-1 DNA Real Time PCR
          - Whole blood specimen Confirmation; Special Cases

- Non-Reactive
  - Report "HIV Negative"

All incident infections verified by second independent specimen;
Discordant results resolved by 3rd independent specimen.

WB IND/NEG, Aptima Reactive cases
Reflex to HIV-1 viral load, Health care Provider contacted for test request.