HDRL US Army HIV Algorithm AUG 2017

BioRad HIV Ag/Ab Combo Screen

Repeat HIV Ag/Ab Combo in Duplicate

HIV-1 Western Blot

Qualitative RNA PCR (APTIMA)

Quantitative HIV-1 RT PCR

Bio-Rad Geenius HIV 1/2 Supplemental Test

HIV-2 Positive

Request additional specimen

HIV-2 DNA Real Time PCR

Quantitative HIV-2 RT PCR

HIV-1 Positive

Report "Positive HIV 1 Ab"

Incident Infection Full or Partial Length Sequencing

HIV-1 RT PCR

Report "Acute HIV-1 Infection"

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

Non-Reactive

Report "HIV Negative"

Report "Negative for HIV"

Whole blood specimen Confirmation; Special Cases

Non-Reactive

HIV 2 DNA Real Time PCR

Report "Positive HIV 1 Ab"

Request Test Request from submitting entity/health care provider

All incident infections verified by second independent specimen;

Discordant results resolved by 3rd independent specimen.