

# Beaumont

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Applicability Dearborn, Taylor,  
Trenton, Wayne

## HIV (Human Immunodeficiency Virus) Testing / Exposure Panels

Document Type: Procedure

### I. PURPOSE AND OBJECTIVE:

Personnel involved in obtaining, handling, and reporting Human Immunodeficiency Virus (HIV) tests shall adhere to the HIV testing policy. Testing for the presence of the Human Immunodeficiency Virus is regulated under Michigan laws which, in all but a few circumstances, require confidentiality of test results whether reactive or non-reactive. The HIV test process is designed to ensure that the test results are communicated to the patient's physician in a timely and confidential manner.

### II. PROCEDURE:

- A. HIV testing is ordered on inpatients, outpatients, exposed employees, and/or source patients through the hospital information system (EPIC). Testing may also be ordered by Labor and Delivery when patients have had no prenatal testing.
- B. **Source Patient:**
  - 1. The appropriate STAT exposure panel for the source patient is ordered and drawn on the source patient, if known. See below and order the correct code based on Employee or Non-Employee:
    - a. **STAT Corewell Employee Exposure Panel (Source Patient) [LAB1231721]**
      - i. Includes: HIV Screen, HCV Diagnostic, HBsAG
    - b. **STAT Non-Corewell Employee Exposure Panel (Source Patient) [LAB1231720]**

- i. Includes: HIV Screen, HCV Diagnostic, HBsAG
2. Collect: One full Gold-top SST tube and one full LAV tube for HIV testing and send to the Laboratory.
  - a. **Inpatients** – Orders are placed by unit as STAT and corresponding labels are generated at collection. Special consent is not necessary, as this is part of the General Consent signed at admission.
  - b. **Outpatients** – Orders are placed by the manager, supervisor, or department/location of the exposed individual as a STAT. Special consent is not necessary, as this is part of the General Consent before procedures.
  - c. If source patient is unknown, unavailable, not enough specimen, or the patient refuses to provide more sample the exposure will be treated as a potential positive by the Emergency Center and Employee Health.
  - d. If unable to find an attending or house doctor to order the Source Patient testing use the Default Ordering Provider Martha Pollock (Ordering Provider for Standing Order).

**C. Exposed Employee:**

1. If any staff member has a needlestick or other Bloodborne Pathogen exposure they must:
  - a. Perform First Aid as needed.
  - b. Notify their manager, supervisor, or person in charge who must ensure source patient orders are placed as indicate above.
  - c. Complete on-line exposure form and print a copy, bring to Emergency Center and bring a copy of the medical record number of the source patient.
  - d. Follow-up with Employee Health the next business day.
2. The Emergency Center places orders for the appropriate Exposure Follow Up Panel depending on if the exposed person was an Employee or Non-Employee:
  - a. **Corewell Employee Exposure Follow Up Panel [LAB1231723]**
    - i. Includes: Hepatic Function Panel, HBsAG, HBsAb, HCV, HIV screening
  - b. **Non-Corewell Employee Exposure Follow Up Panel [LAB1231722]**
    - i. Includes: Hepatic Function Panel, HBsAG, HBsAb, HCV, HIV screening
3. Collect: One full Gold-top SST tube and one full LAV tube for HIV testing and send to the Laboratory.
4. Employee Health will draw Hepatitis C virus (HCV) and HIV at follow-up visit.
  - a. If unable to order in Epic follow downtime procedure.

**D. Neonatal:** The lab requirements for Neonates for exposure panels on neonatal intensive care

unit (NICU) babies are three full gold top microtainers for initial testing. Lab will prioritize HIV testing due to limited volume of specimen. Requests for additional specimen will be made by lab if confirmatory testing is required. "Neonatal testing must be performed at Dearborn Laboratory"

- E. HIV testing methodologies are 4th generation HIV tests.
  - 1. At Dearborn Laboratory, testing is performed by standard serum Immunoassay method for HIV.
  - 2. At Taylor, Trenton, Wayne and Canton Laboratories testing is performed by an Immunochromatographic Rapid test method.

Note: Patients <12 years old must be tested using the standard serum immunoassay method at Dearborn.
- F. The result is entered into the laboratory information system (LIS) according to the individual test procedures.
  - 1. Initial screen results composed of HIV 1/2 antigen/antibody immunoassay and HIV-1/HIV-2 antibody differentiation immunoassay will be reported when available, with appropriate comments.
    - a. HIV-1 RNA confirmation will be reported following completion of the confirmation test, to allow faster turnaround time.
    - b. Comments for add-on of HIV-2 RNA/DNA confirmation will be included in the appropriate cases.
- G. Reactive HIV antibody/antigen results will be confirmed by an alternate method. Confirmation testing is automatically ordered in the LIS.
- H. Reactive Obstetric (OB) HIV antibody/antigen results will be called to the Labor and Delivery unit and will be given to the patient's caregiver.
- I. Positive source patient results are called to Emergency Center Charge Nurse or House Supervisor.
  - 1. If the Charge Nurse doesn't answer the phone, use the Mobile Heartbeat Text messaging to have them return your call as soon as possible for Source patient results.
  - 2. If the Emergency Center states that the involved staff member has not yet reported to the department then results should be communicated to the House Supervisor or via direct voice mail to Employee Health for follow up with the employee.

## Approval Signatures

**Step Description**

**Approver**

**Date**

Medical Directors	Muhammad Arshad: Chief, Pathology	8/8/2024
Medical Directors	Jeremy Powers: Chief, Pathology	7/29/2024
Policy and Forms Steering Committee Approval (if needed)	Kimberly Cole: Spec, Operations	7/17/2024
Site Laboratory Leaders	Christopher Ferguson: Dir, Lab Services	7/17/2024
	Kimberly Cole: Spec, Operations	7/17/2024

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## Applicability

Dearborn, Taylor, Trenton, Wayne

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