

**SUBJECT:** **ASTECC SPECIMEN COLLECTION (UNIVERSITY OF FLORIDA)**

**PURPOSE:** To collect blood, urine, and other specimens as required for use in the AsTeC Biospecimen Repository ensuring proper patient identification and integrity of the sample.

**LEVEL:** Interdependent  
Principal Investigator/designee  
Biological Specimen Repository Staff  
Nursing staff

**SUPPLIES:**

	<b>CATALOG NUMBER</b>	<b>VENDOR</b>	<b>TELEPHONE NUMBER</b>
Red top serum tubes	367815	BD or Local Vendor	888-237-2762
Cell Preparation Tubes (CPT)	362760	Fisher Scientific	800-766-7000
EDTA tubes	367863	BD or Local Vendor	888-237-2762
PAXgene blood RNA tubes	762165	Preanalytix (VWR)	800-932-5000
Sterile Urine Cups	Supplied by Collection Site Facility		
Biohazard specimen bags	Supplied by Collection Site Facility		
Tape for numbering tubes	Supplied by Collection Site Facility		
Bag labels	Supplied by Collection Site Facility		

**EQUIPMENT:** None

**PERSONNEL PROTECTIVE EQUIPMENT:**

Disposable latex-free gloves  
Additional items as required

**RECORDS:** None

**COMPUTER PROGRAM:** None

**SPECIMENS:** Blood  
Urine  
BAL fluid  
Tissue samples

NOTE: Should any Adverse Events, Error, Accident or Deviation occur complete an ADVERSE EVENTS: ERRORS, ACCIDENTS, and COMPLAINTS AND DEVIATIONS, Using FORM SOPPM-G 011.02.

**PROCEDURE 1: BLOOD SAMPLE COLLECTION**

- A. Gather the appropriate blood tubes for the sampling
  - 1. For Adults- 1 CPT (blue/black top), 1 red top serum tube, 3 PaxGene tubes, and 3 purple top EDTA tubes
  - 2. For Pediatric patients- 1 CPT (blue/black top), 1 red top serum tube, 1 PaxGene tube, and 1 purple top EDTA tube
- B. Laboratory the tubes with the draw order using tape and a sharpie
  - 1. CPT (blue/black top)**
  - 2. Red top (serum)**
  - 3. Purple top (EDTA)**
  - 4. Paxgene**
- C. Place the tubes in a biohazard bag
- D. Place a laboratory on the bag (example below)

 **Research Sample Request**

Patient Name: \_\_\_\_\_

Date & Time Requested: \_\_\_\_\_ **AM Lab**

Actual Date & Time: \_\_\_\_\_

**Blood**  **Urine** Product \_\_\_\_\_

*Place specimens in Research Basket*

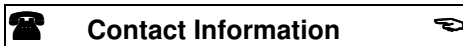
 **Special Instructions**

Place on Ice Immediately

Draw in Order Specified

Call/Page when drawn

Call/Page **BEFORE** Drawing

 **Contact Information**

CRA Name : \_\_\_\_\_

Pager : \_\_\_\_\_

STUDY/Protocol # : \_\_\_\_\_

- E. Deliver the tubes to the appropriate nurse ensuring the nurse is aware that the blood collection is for the AsTeC.
- F. Nursing staff will properly identify patient, confirm labeling and collect specimens according to Nursing Education SOP: OBTAINING BLOOD FOR LABORATORY SPECIMENS BA-P-003 Upon notification that samples are available, immediately retrieve tubes using gloves and begin following the SOPPM –G 021.01 for Sample Processing.

## **PROCEDURE 2: URINE COLLECTION**

- A. Obtain a sterile urine cup from supply area on inpatient unit.
- B. Label the cup with patient name and medical record number. Place the cup into a biohazard bag
- C. Deliver the urine cup (along with the blood sample tubes) to the nurse.
- D. Note if the patient has a catheter or if the sample will be clean catch as this information will be required at data entry.
- E. If blood and urine samples cannot be collected at the same time, request to be paged again when the other samples have been collected.
- F. NOTE: Obtaining urine samples from patients with severe diarrhea, kidney failure, etc. may not be possible or practical.
- G. Upon notification that samples are available, immediately retrieve tubes using gloves and begin following the SOPPM –G 021.01 for Sample Processing.

## **PROCEDURE 3: BAL FLUID COLLECTION**

- A. Contact the laboratory where the BAL fluid is processed.
- B. Indicate the patient's name and that you are seeking any fluid that might be left after required testing.
- C. If there is fluid remaining, obtain the specimen from the laboratory using a biohazard bag and gloves.
- D. Begin following the procedure for BAL Sample Processing.

## **PROCEDURE 4: TISSUE COLLECTION**

- A. Contact the laboratory where the tissue is processed.
- B. Indicate the patient's name and that you are seeking any tissue that might be left after required testing.
- C. If there is tissue remaining, obtain the specimen from the laboratory using a biohazard bag and gloves.
- D. Begin following the procedure for Tissue Sample Processing.

## **PROCEDURE 4- FUNGAL ISOLATE**

- A. Call the microbiology laboratory where the fungal culture is located

Clinical Laboratory Diagnostics for Invasive Aspergillosis  
Contract No. HHSN266200700023C  
Standard Operating Procedures

- B. Indicate the patient name and that you would like to subculture the fungus
- C. Laboratory personnel may offer to subculture the sample for you, if so, request a time to return to pick up the sample (usually 3-5 days for the fungus to grow)
- D. To subculture yourself:
  - 1. Use the hood in the microbiology laboratory (NOT your sample hood)
  - 2. Open the plate and gently scrape some fungus off the plate using a sterile loop
  - 3. Place the loop on your medium and gently streak
  - 4. Cap or seal the sample and place in an incubator for 3-5 days
  - 5. Return to the laboratory and pick up the fungal culture ensuring it grew properly

**SUPPORTIVE DATA:** N/A

**REFERENCES:** N/A

**ORIGINAL IMPLEMENTATION DATE:** \_\_\_\_\_

**APPROVED BY NIH NIAID Project Officer:** \_\_\_\_\_ **DATE** \_\_\_\_\_

**APPROVED BY PI/designee:** \_\_\_\_\_ **DATE** \_\_\_\_\_

**APPROVED BY Laboratory Coordinator:** \_\_\_\_\_ **DATE** \_\_\_\_\_