**TITLE: Collection of Urines for Urinalysis, Urine Pregnancy, Urine Chemistry Analysis, and/or Culture and Sensitivity**

**PRINCIPLE:**

Midstream urine collection is requested for all urine specimen collections not obtained by catheterization, especially urine cultures. Special cleansing precautions to prevent contamination should always be taken when collecting the urine. Freshly collected urine samples whether voided, clean catch, or catheterized, shall be transported to the laboratory immediately after collections to allow accurate chemical and microscopic analysis.

**Personnel:**

Medical Technologists, Clinical Associated, Nursing Staff

**STEPWISE PROCEDURE:**

1. **Culture and Sensitivity Cleansing Instructions**
	1. Female Patient Collection Instructions:
		1. Provide the patient with a sterile urine collection cup and towelette.
		2. Instruct the patient to wash her hands thoroughly with soap and water, and to dry her hands thoroughly with paper towel.
		3. The patient is then to remove her undergarments.
		4. With one hand the patient is to spread her labia and keep the labia spread apart until the cleaning and urine collection is complete.
		5. Using a single towelette, the patient should wash vulva, with a front to back swipe. Discard this towelette.
		6. While the vulva is spread, the wash is repeated using second towelette. Discard this towelette.
		7. The patient can now start to void and after the first 20-25ml of urine has been passed into the toilet, the specimen cup is used to catch the remainder of the urine.
		8. Care should be taken to avoid contact with fingers, the vulva, legs or clothing with the specimen cup.

1. Male Patient Collection Instructions:
	1. Provide the patient with a sterile urine collection cup and towelette.
	2. Instruct the patient to wash his hands thoroughly with soap and water and to dry hands thoroughly with paper towel.
	3. Instruct the patient that the foreskin, if intact, must be completely retracted and the glans penis cleansed with the towelettes. Discard towelettes.
	4. The patient now voids and after the first 20-25ml of urine has been passed into the toilet, the remainder of the urine void is caught directly into the sterile cup.
	5. Care should be taken to avoid contact with fingers, legs or clothing with the specimen cup.

**B. Urine for Culture and Sensitivity (C&S)**

1. Peel back the protective sticker to expose the rubber-covered cannula on the blue top urine transfer cup container.
2. Push C & S gray top preservation urine culture tube into the integrated transfer port.
3. Hold the tube in position until the flow stops. The cup may need to be titled to ensure the urine feeds into the straw.
4. Remove tube. Verify the tube has appropriately filled to the line.
5. Shake tube vigorously.
6. If a UA us also ordered, push the yellow conical urinalysis tube into the transfer port.
7. Hold in position until flow stops.
8. Remove tube.
9. If additional urine tests are ordered, transfer urine into the yellow conical urinalysis tubes as described below.
10. Place the protective sticker back over the integrated transfer port and dispose of the entire cup in the appropriate biohazard box. **Do not dispose of cup in the plain red bag or regular trash.**
11. Label the tube with a LIS label or hospital chart label. If using a chart label, date, time, and collector’s initials must be written on label.
12. Place specimen(s) in biohazard specimen bag.
13. Fill out an 8 x 12 laboratory downtime requisition if hospital is on downtime protocol.
14. Send urine immediately to the laboratory via the pneumatic tube system.

**C. Urine Specimen for Urinalysis, Urine Pregnancy, Urine Chemistry Analysis (Drug Screens, Urine Osmolality, Random Urine, Chemistry Tests, etc.):**

1. Peel back the protective sticker to expose the rubber-covered cannula on the blue top urine transfer cup container.
2. Push the yellow conical urinalysis tube into transfer port.
3. Hold the tube in position until the flow stops. The cup may need to be tilted to ensure the urine feeds into the straw.
4. Remove tube.
5. If both a urinalysis and another urine test is ordered (other than urine C&S), it is recommended that a second yellow urinalysis tube be collected.
6. Place the protective sticker back over the integrated transfer port and dispose of the entire cup in the appropriate biohazard box. **Do not dispose of cup in the plain red bag or regular trash.**
7. Label the tube with a LIS label or hospital chart label. If using a chart label, date, time, and collector’s initials must be written on label.
8. Place specimen(s) in biohazard specimen bag.
9. Fill out an 8 x 12 laboratory downtime requisition if hospital is on downtime protocol.
10. Send urine immediately to the laboratory via the pneumatic tube system.

**D. Limitations of Procedure:**

1. The blue top urine collection transfer cup containers should not be sent through the pneumatic tube system.
2. If a yellow conical urinalysis tube is open for testing on the unit, but additional testing is required, a new yellow conical urinalysis tube needs to be collected.