

DRUG OF ABUSE

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Required Specimen Type	Urine samples

Medical Supplies

- Drug of abuse Chain of Custody form RR-45-RQ-001 (mandatory);
- CDL sterile split collection kit including (see Figure 1):
 - One container for sample collection with temperature reading indicator;
 - 2 vials (one for screening and the other for confirmation);
 - Absorbent paper;
 - Biohazard bag with adhesive



Figure 1 : Drug screen split collection kit (conforms to SAMHSA guidelines)

General Guidelines

1. All specimens must include a double identification (first and last name of the patient and date of birth or medicare number).
2. The use of gloves is required when handling all biological specimens.
3. A valid requisition must include the following information :
 - First and last name of the patient, date of birth or medicare number and gender.
 - Date and time of specimen collection and signature of collector.
 - Physician's full name, signature and license number (or other qualified prescriber).
 - Any relevant clinical information.
 - Requested tests.
 - Patient and requestor's contact information.

Patient Preparation
COLLECTION SITE

- Ensure that you have all necessary materials and equipment for the specimen collection.
- Only the donor may be present in the room during the collection, except for the observer in the event of a directly supervised collection (if requested).
 - Ensure the room is clear and free of potential adulterants (soap pumps, liquids or other products).
 - Close all sources of water that could be used for adulteration, dilution or substitution (e.g., water faucets).
 - Provide moist towelettes outside the closed room, for patients (post collection).
 - The sampling site must consist of a single room with a blueing agent in the toilet bowl and tank. If this is not possible, a nurse or other qualified professional must be present to observe the collection.
 - Inspect the site to ensure that no foreign or unauthorized substances are present.
 - Verify areas that may appear suitable for concealing contaminants (e.g., ledges, trash bins, paper towel holders, under-sink areas, etc.).
 - Follow the steps above for each Drug of Abuse specimen collection, to ensure the site's continued integrity.

**Specimen Collection
 Instructions**
Perform all steps in front of donor.

- 1) Verify the patient's identity with a card that includes a photo ID;
- 2) Open the collection kit in front of the donor and take out the material inside the main urine collection container;
- 3) Have the donor read the specimen collection section of this procedure, if for some reason this is not possible, read the collection procedure to the patient;
- 4) Fill out the Chain of Custody form with the following :
 - Physician's name or other qualified professional (if applicable);
 - Donor's first and last name or coded identification number;
 - Gender and date of birth;
 - Requested drug(s) to be tested;
 - List the drugs and/or medicine consumed within the last 14 days.
- 5) Reconfirm the information with the donor;
- 6) Ask the donor to leave their personal belongings outside of the urine collecting room (bag, coat, jacket, etc.);
- 7) Identify the urine containers;
- 8) Put on gloves;
- 9) Ask the donor to wash their hands before entering in the room;
- 10) Give the identified urine container to the donor and ask them to provide as much urine as possible (a minimum of 45 mL total is necessary);
- 11) Retrieve the container from the donor as soon as the collection is completed;
- 12) Verify that the sample ID is the same as the requisition and the Chain of Custody form;
- 13) Verify the sample appearance (eg: color) and verify the temperature:
 - Temperature reading must be taken within 4 minutes;
 - The urine temperature must be between 32.0 – 38.0°C or 90.0 – 100.0°F. If not, record the donor's body temperature. If the body temperature is not between 32.0 – 38.0°C or 90.0 – 100.0°F, ask for another sample;
- 14) Transfer, in front of the donor, the urine in the 2 vials. Close the containers tightly (vial A ≈ 30 mL. and vial B ≈ 15 mL.);
- 15) Have the donor initial and date the information on the specimen bottle label (or tamper tape);
- 16) Place the 2 vials in the biohazard bag;
- 17) Indicate the date and time of collection on the Chain of Custody form;
- 18) Have the donor sign and date the Chain of Custody form;
- 19) Complete the Chain of Custody form, including your signature;
- 20) Give a copy of the Chain of Custody form to the donor;
- 21) Place the Chain of Custody form in the external pocket of the Biohazard bag;
- 22) Seal the biohazard bag.
- 23) Refrigerate and store in a secure location;
- 24) Send the specimens to CDL Laboratories.

Specimen Collection

- 1) Start urinating in the toilet and then stop;
- 2) Resume voiding in the container;
- 3) Provide a minimum of 45 mL of urine;
- 4) Finish urinating in the toilet if necessary;
- 5) Wash or wipe hands (if water is not available);
- 6) Give the container to the designated CDL personnel (e.g. nurse).

Additional Information	<ol style="list-style-type: none"> 1) CDL procedures coincide with the National Institute on Drug of Abuse (NIDA) and Substance Abuse and Mental Health Service Administration (SAMSHA). 2) Specimen integrity is a critical factor in the drug of abuse testing process. <ul style="list-style-type: none"> ▪ CDL must be able to demonstrate that the specimen is a real urine sample. ▪ CDL must be able to always track how the specimen was handled and by whom. ▪ CDL’s responsibility starts when the specimen is given to our personnel. ▪ CDL Laboratories is responsible for the integrity of the specimen only when collection is performed at CDL sites. ▪ CDL may report suspicious specimens (abnormal results, diluted, substituted or adulterated specimens) to a medical review officer (MRO). 3) In order to validate the accuracy of the specimen, the following tests are included with all drug urines: clarity, colour, urine creatinine, pH and specific gravity. 4) Additional tests (non-related to drug testing) must be performed on a separate specimen; 5) The preservation tubes for urinalysis and/or culture CANNOT be used for drug of abuse testing. 6) Results will only be communicated to authorized personnel, with the consent of the patient; 7) If necessary, a confirmation by an alternative method may be recommended. This will be done only after receiving your written permission and at the request of your doctor or other health professional.
Specimen Conservation and Stability	<ul style="list-style-type: none"> • 24 hours at room temperature • 3 days refrigerated