

Drug Testing Procedures for Student Athletes

University of Maryland
University Health Center
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Selection & Notification

Participants are selected at random. The Drug Test Administrator (DTA) is responsible for maintaining a database of all participants.

Student Athletes

A list of the selected participants is usually faxed to the athletic department representative or athletic trainer the morning of the test. The appropriate coach or trainer then notifies the selected student athletes of testing.

The Collection Process

- All donors must provide a photo ID, prior to the initiation of the test, unless the DTA is knowledgeable of the donor's identity or a coach/trainer/supervisor can identify the student.
- The donor is asked to remove any bulky clothing including coats, jackets, sweatshirts, etc.
- The donor is asked to empty their pockets.
- A sealed collection kit is opened in the presence of the donor.
- The collection container is given to the donor.
- The donor is escorted to the restroom.
 - In the restroom:
 - All sources of adulterants are removed (soaps, air fresheners, trash cans, etc.).
 - A bluing agent is added to the toilet bowl (or tank if applicable) to prevent dilution or adulteration of the sample.
 - All other water sources are secured.
 - The donor is advised not to flush the toilet or use the sink. Donors are permitted to wash their hands when they return to the DTA's office or collection site.
 - All collections will be performed under direct observation. The DTA or his/her designee will observe the direct flow of urine from the student athlete into the collection container.
- The donor returns to the DTA's office or collection site with the collection cup containing their urine sample. All examination and packaging of the urine specimen is done in the presence the donor.

- The DTA observes the temperature of the specimen within four minutes of the sample being provided. If the urine is below 90 degrees or above 100 degrees, the actual temperature of the urine is measured using a digital thermometer.
- The collector examines the urine for any unusual odors (soap, vinegar, bleach, etc). The urine is also examined for abnormal colors (blue or green) and for the presence of foreign objects (dust, dirt, etc.)
- If the DTA believes that the sample is adulterated or diluted, the specimen is split and the sample is checked for adulterants. Using AdultaCheck 6 dip strips, the DTA can test the urine for abnormal levels of the following: Oxidants, Creatinine, Nitrite, Glutaraldehyde, pH, and Chromate, which may indicate possible adulteration.
- Any abnormal factors of the specimen including temperature, color, odor or adulterants are noted on the “remarks” line on the chain of custody form.
- In the presence of the donor, the collector then opens collection bottle and pours 30ml of urine into the collection bottle. The collection bottle is closed.
- The DTA verifies that the specimen number on the collection form matches the specimen number on the seal. The DTA then removes a seal from the collection form and seals the collection container in the presence of the donor.
- The donor then completes the necessary information (name, date of birth and phone numbers) on the chain of custody form and initials and dates the seal on the collection bottle.
- The forms are separated; the original is placed in the specimen bag with the sealed collection container. One copy of the form is for the donor; one copy is for the DTA. The specimen bag is placed in a laboratory courier bag for shipment.
- Specimens are shipped overnight to National Toxicology Laboratory located in Bakersfield, California. The Department of Health and Human Services lists National Toxicology Laboratory as certified to meet standards of Subpart C of Mandatory Guidelines for Federal Workplace Drug Testing Programs (59 CFR 29916, 29925).
- The lab will then open the specimen bags and examine the collection container. The lab completes the necessary information on the chain of custody form and records any abnormal findings of the seal or the collection container.
- The sample is tested for 10 different substances including those illicit substances prohibited by the university and the NCAA. Positive samples are confirmed utilizing a Gas Chromatograph Mass Spectrometer (GC/MS).
- The test results are faxed to the Drug Test Administrator’s secure facsimile machine.

- The DTA enters the results into the secure computer database. If there is a reported positive, diluted sample or any questionable result, the DTA consults with the Medical Review Officer (MRO), Dr. Sacred Bodison, MD.
- All results are positive, dilute, not in temperature range or adulterated are sent to the appropriate program representative.
- All test results are maintained in a secure location for five years.