1 Test kit

- 6 in 1 Integrated E-Z Split Key Cup with adulteration/temperature test strip:
  - Cannabis (THC), Cocaine (COC), Methamphetamines (METH), Amphetamines (AMP), Opiates (MOP) and Benzodiazepine (BZO).

2 Test procedure (individual testing)

Consent

- The Client must have a drug testing / substance abuse policy in place.
- Employees must sign a consent form giving full permission to have their urine screened for drugs at clinic level and further to have the sample sent for confirmatory tests at an accredited laboratory, should the screening sample be found to be non-negative.

Facilities

- A suitable ablution facilities / enclosed area must be used to ensure the employee’s privacy is maintained.
- Nurse/technician accompanies employee to the facility and waits just outside the door to ensure sample is not adulterated.

Process

- Open the testing kit in front of the employee to prove that a new test is being used – show the expiry date
- The urine specimen must be collected in a clean and dry container. Urine collected at any time of the day
- Refer to the steps and illustrations on the Integrated E-Z Split Key Cup Procedure Card.
  1. Remove the key by twisting it form the centre of the cup cap. Open cap with the pull tab. (Nurse / Technician holds the key)
  2. Employee provides specimen in the cup and secures cap tightly by pressing down on the pull tab until an audible click is heard
  3. Read the green colour on the temperature strip (up to 4 min. after specimen collection). Proper range is 33-38°C. Check Cap for a tight seal, date and initial the Security Seal Label and place it over the Cap.
     - Check that sample reaches the minimum fill volume indicated on the cup.
     - Document the sample temperature on the consent form.
  4. Place the cup on a flat surface and push in the key to a fully closed position to initiate the test. Start the timer.
  5. Remove the peel off label covering the test results
  6. Read the adulteration test results between 3 and 5 minutes.
     - Compare the colours on the adulteration strip to the enclosed colour chart. If the specimen indicates adulteration, do not interpret the drug test results and collect another specimen.
7. **Read the drug strip results at 5 minutes.** The drug test results remain stable for up to sixty minutes.

**Results**
- **NEGATIVE**: A coloured line appears in the Control region (C) and a coloured line appears in the Test region (Drug/T) next to a specific drug tested. This negative result means that the drug concentrations in the urine sample are below the designated cut-off levels for a particular drug tested.
  
  **NOTE:** The shade of the coloured line(s) in the Test region may vary. The result should be considered negative whenever there is even a faint coloured line.
- **POSITIVE/ Non-Negative**: A coloured line appears in the Control region (C) and NO line appears in the Test region (Drug/T) next to the name of a specific drug tested. The positive result means that the drug concentration in the urine sample is greater than the designated cut-off for a specific drug.
- **INVALID**: No line appears in the Control region (C). Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for control line failure. Read the directions again and repeat the test with a new test cup. If the result is still invalid, contact your manufacturer.
- Explain test result to employee
- Document the test results on the consent form.

### 3 Possible Drug Interaction Reference

<table>
<thead>
<tr>
<th>Drug</th>
<th>Medication that can result in a False Positive</th>
<th>Action Required</th>
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</table>
| Amphetamine (AMP) Methamphetamine (MET)  | Amantadine, Benzphetamine, Bupropion (Zyban), Chlorpromazine (Largactil), Ephedrine (Colcleer, Sinucon, Sinuend), Fenofibrate (Lipanthyl), Mebeverine (Colofac, Bevispas), Methylphenidate (Ritalin), Phentermine (Duromine), Phenylephrine (Corenza C, Flutex, Rinex), Phenylpropanolamine (Sinutab, Rinex), Promethazine (Phenergan), Pseudoephedrine (Sudafed), Ranitidine, Selegiline (Parkilyne), Trazodone (Molipaxin), Trimipramine (Tydamine), Venlafaxine (Efexor XR). | • Quantitative test at lab  
  • Completion of Non-negative drug screening assessment by OMP/OHNP and fitness to work declaration |
| Benzodiazepines and metabolites            | Tests positive for all benzodiazepines                                                                        | • Quantitative test at lab  
  • Completion of Non-negative drug screening assessment by OMP/OHNP and fitness to work declaration |
| Cocaine (COC)                              |                                                                                                              | • Quantitative test at lab  
  • Completion of Non-negative drug screening assessment by OMP/OHNP and fitness to work declaration |
Cannabis (THC)
Marijuana
Hash
Dagga

- Hempseed Oil
- Ibuprofen
- Naproxen
- Efavirenz (Sustiva) antiretroviral

Morphine (MOP)
Opiates
Heroin
Codeine

- Poppy seeds
- Rifampicin
- Fluoroquinolones
- Quinine (tonic water)
- Pethidine
- Naloxone

- Quantitative test at lab
- Completion of Non-negative drug screening assessment by OMP/OHNP and fitness to work declaration

4 Chain of custody

- All non-negative test results must be sent to a certified laboratory for confirmation (University of Pretoria)
- Explain to the employee that the sample will be sent to UP for more detailed confirmation test.
- Ensure that the employee’s ID number, the date and the Nurse / Technician’s name is entered on the Split Cup. The employee and the Nurse / Technician’s performing the test must sign the sealed container.
- Complete Chain of Custody form. The employee and the healthcare worker performing the test must sign the form.
  - White copy to be submitted to lab with specimen
  - Employee receives yellow copy.
  - Pink and green copies remain in Chain of Custody Book.
- Place sample in specimen bag with the white copy of the Chain of Custody form in the outer plastic pouch of the specimen bag.
- Keep specimens in a cool place and out of direct sunlight.
- The courier must sign the form, as well as the person receiving the specimen at the lab.
- Once the test results are received back from the laboratory, the OMP must evaluate and the employer is notified of the OMP’s decision.