<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test Name:</strong></td>
<td>DRUGS OF ABUSE SCREEN, URINE</td>
</tr>
</tbody>
</table>

### General Information
- **Lab Order Codes:** ABUS
- **Synonyms:** Urine drug screen
- **CPT Codes:** 80307 – Drug test(s), presumptive, any number of drug classes, any number of devices or procedures, by instrument chemistry analyzers
  
  CPT’s vary: Confirmations may be added at the request of the provider at an additional charge, see confirmation links below.
- **Test Includes:** Major metabolites of drugs of abuse (phencyclidine, benzodiazepines, cocaine metabolite, amphetamines, tetrahydrocannabinol, opiates, barbiturates) in urine.

### Logistics
- **Test Indications:** Useful for the qualitative determination of the presence of the major metabolites of drugs of abuse in urine.
- **Lab Testing Sections:** Chemistry
- **Phone Numbers:** MIN Lab: 612-813-6280
  STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 1 hour or STAT (30 minutes)
- **Special Instructions:** Confirmatory testing, for positive screening results requires a separate order. Use Add Order in HIS (Hospital Information System) orders to request the specific confirmatory test.

### Specimen
- **Specimen Type:** Urine
- **Container:** Urine Cup
**Draw Volume:** 10 mL (Pediatric Minimum: 4 mL, Absolute Minimum: 1 mL) urine

**Note:** Collection of the Absolute Minimum volume does not permit confirmatory or repeat testing.

**Processed Volume:** Same as Draw Volume

**Collection:** Freshly voided, random urine. No preservative. Store at 2-8 degrees C for up to 24 hours or while in transport from remote locations.

**Special Processing:** Lab Staff:
Store up to 24 hours at 2-8 degrees C.

Freeze remaining sample for up to 7 days if there are no orders or if the screen is positive.

**Patient Preparation:** None

**Sample Rejection:** Unlabeled or mislabeled specimen; adulterated specimen; pH <5 or >8

**Interpretive Reference Range:** Negative

This test differentiates between positive and negative specimens at the designated cut-off concentrations.

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Cut-off concentration</th>
<th>Confirmatory Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phencyclidine</td>
<td>25 ng/mL</td>
<td>PCCON</td>
</tr>
<tr>
<td>Benzodiazepines</td>
<td>200 ng/mL</td>
<td>BECON</td>
</tr>
<tr>
<td>Amphetamines</td>
<td>1000 ng/mL</td>
<td>AMCON</td>
</tr>
<tr>
<td>Cocaine (Benzoylcegonine)</td>
<td>300 ng/mL</td>
<td>COCON</td>
</tr>
<tr>
<td>Tetrahydrocannabinol</td>
<td>50 ng/mL</td>
<td>THCON</td>
</tr>
<tr>
<td>Opiates (Morphine)</td>
<td>300 ng/mL</td>
<td>OPCON</td>
</tr>
<tr>
<td>Barbiturates</td>
<td>200 ng/mL</td>
<td>BACON</td>
</tr>
</tbody>
</table>

**Critical Values:** Call any positive results
**Limitations:**
This test is a qualitative screening test. Confirm positive results by another method, such as GC/HPLC if indicated.

**Methodology:**
Syva® Emit II Immunoassay

**References:**

Siemens Dimension Vista Flex Reagent Cartridge Inserts, Newark, DE, 19714 (See below for individual analyte)

AMPH Flex® reagent cartridge insert sheet PN 781091.001,5/5/15, Rev E

BARB Flex® reagent cartridge insert sheet PN 9D022UL.1205,4/2015, Rev G

BENZ Flex® reagent cartridge insert sheet PN 781097.001,2/24/2015, Rev G

COC Flex® reagent cartridge insert sheet PN 781092.001,3/25/2015, Rev E

OPI Flex® reagent cartridge insert sheet PN 781093.001,3/25/2015, Rev G

PCP Flex® reagent cartridge insert sheet PN 781094.001,3/25/2015, Rev E

THC Flex® reagent cartridge insert sheet PN 781095.0013/25/2015, Rev E

**Updates:**
4/27/2006: TCA (Tricyclic Antidepressants) are no longer part of this assay.
3/30/2009: Revised volume to include Pediatric Minimum.
5/11/2010: CPT update, previously reported as 80101.
2/8/2011: CPT update, quantity changed
1/3/2012: Test no longer includes TCA.
1/12/2015: CPT update
5/18/2015: CPT update
1/20/2016: CPT update
2/4/2016: CPT update
7/22/2016: pH criteria added
9/27/2017: Updated lab processing.