Urine drug Point of Care Testing (POCT) is a presumptive or screening test method using antibodies to detect a drug or drug class in a sample.

Monitoring urine temperature at the time of collection is an important pre-analytical quality control step due to the risk of patients substituting or diluting the sample. POCT devices should have a built-in temperature monitoring strip. The temperature should be between 91°F and 100°F (32°C-38°C) within 5 minutes of collection.

Presumptive drug testing is fast and inexpensive to perform and works well to rule out drug presence in a sample. Presumptive testing does not identify which members of a drug class are present and the antibodies are not equally reactive to all members. Results are qualitative only. Presumptive testing can generate “false positive” results when the antibodies react with non-target compounds in the sample. Depending on the cut-off, presumptive testing may not be sensitive enough to detect prescribed drugs causing a “false negative” result.

Unexpected presumptive results, either Positive or Negative, should be confirmed by ordering definitive testing (not a second screen). Definitive drug testing methods use liquid or gas chromatography and mass spectrometry to identify specific drugs and drug metabolites in a sample. This method can separate members of the same drug class and reports what specifically is present as well as what is not present. Definitive methods are called for to verify the presence of a prescribed drug in a multi-constituent drug class such as opioids or benzodiazepines.

<table>
<thead>
<tr>
<th>SCREEN (drug class tested by POCT device)</th>
<th>CODE (definitive testing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMP, MET, MDMA (Amphetamine, Methamphetamine, Ecstasy)</td>
<td>MAMME</td>
</tr>
<tr>
<td>BAR (Barbiturates)</td>
<td>MBARBT</td>
</tr>
<tr>
<td>BZO (Benzodiazepines)</td>
<td>MBENZ</td>
</tr>
<tr>
<td>COC (Cocaine)</td>
<td>MBE</td>
</tr>
<tr>
<td>THC (Cannabis)</td>
<td>MTHCC</td>
</tr>
<tr>
<td>OPI, OXY(Opiates, Oxycodone)</td>
<td>MXOPIT</td>
</tr>
<tr>
<td>MTD (Methadone)</td>
<td>MMATDN</td>
</tr>
</tbody>
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<tr>
<th>SCREEN (drug class tested by POCT device)</th>
<th>CODE (definitive testing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUP (Buprenorphine)</td>
<td>MBUP</td>
</tr>
<tr>
<td>PXP (Propoxyphine)</td>
<td>MPRX</td>
</tr>
<tr>
<td>PCP (Phencyclidine)</td>
<td>MPCPP</td>
</tr>
<tr>
<td>TCA (Tricyclic Antidepressants)</td>
<td>UTRIQN</td>
</tr>
<tr>
<td>Fentanyl</td>
<td>MFEN</td>
</tr>
<tr>
<td>Tramadol</td>
<td>MTRAM</td>
</tr>
<tr>
<td>Meperidine (Demeral)</td>
<td>MMEP</td>
</tr>
</tbody>
</table>

POCT devices have a limited screening panel. Screening tests for drugs not included in your POCT may be ordered individually.

<table>
<thead>
<tr>
<th>UAMPH</th>
<th>Urine Amphetamine Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBARB</td>
<td>Urine Barbiturate Screen</td>
</tr>
<tr>
<td>UUBUP</td>
<td>Urine Buprenorphine, Screen</td>
</tr>
<tr>
<td>UCOCN</td>
<td>Urine Cocaine Screen</td>
</tr>
<tr>
<td>UDEM</td>
<td>Urine Demerol Screen</td>
</tr>
<tr>
<td>UFEN</td>
<td>Urine Fentanyl Screen</td>
</tr>
<tr>
<td>UMTHN</td>
<td>Urine Methadone Screen</td>
</tr>
<tr>
<td>UOPIT</td>
<td>Urine Opiate Screen</td>
</tr>
<tr>
<td>UOXCY</td>
<td>Urine Oxycodone Screen</td>
</tr>
<tr>
<td>UTCM</td>
<td>Urine Tramadol Screen</td>
</tr>
<tr>
<td>UETOH</td>
<td>Urine Ethanol Screen</td>
</tr>
<tr>
<td>UPEN</td>
<td>Urine Propoxyphene Screen</td>
</tr>
<tr>
<td>USOMA</td>
<td>Urine Soma Screen</td>
</tr>
<tr>
<td>UTRIC</td>
<td>Urine Tricyclic Screen</td>
</tr>
<tr>
<td>UTRAM</td>
<td>Urine Tramadol Screen</td>
</tr>
<tr>
<td>UZOL</td>
<td>Urine Zolpidem Screen</td>
</tr>
</tbody>
</table>