<table>
<thead>
<tr>
<th>DRUG, DRUG METABOLITE(S)*</th>
<th>COMMON TRADE AND STREET NAMES, NOTES</th>
<th>PLASMA HALF-LIFE †</th>
<th>URINE-DETECTION WINDOW †</th>
<th>REPORTING LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>S/P ¶</td>
<td>U ¶</td>
<td></td>
</tr>
<tr>
<td><strong>STIMULANTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amphetamine</td>
<td>Benzedrine, dexedrine, Adderall, Vyvanse, speed; could be methamphetamine metabolite; if so, typically &lt; 30 percent of parent</td>
<td>7–34 hours</td>
<td>3–5 days</td>
<td>20</td>
</tr>
<tr>
<td>Methamphetamine</td>
<td>Desoxyn, methedrine, Vicks inhaler (D- and L-isomers are not resolved; low concentrations expected if the source is Vicks); selegeline (Atapryl, Carbex, Carbox, Eldepryl, Zelapar) metabolite</td>
<td>6–17 hours</td>
<td>3–5 days</td>
<td>20</td>
</tr>
<tr>
<td>Methylene dioxyamphetamine (MDMA)</td>
<td>XTC, ecstasy</td>
<td>6–10 hours</td>
<td>20</td>
<td>200</td>
</tr>
<tr>
<td>Methylenedioxymethamphetamine (MDMA)</td>
<td>Eve, MDE</td>
<td>6–11 hours</td>
<td>20</td>
<td>200</td>
</tr>
<tr>
<td>Methamphetamine (MDMA)</td>
<td>MDMA and MDEA metabolite</td>
<td>11–17 hours</td>
<td>20</td>
<td>200</td>
</tr>
<tr>
<td>Cocaine</td>
<td>Coke; crack; parent drug rarely observed due to short half-life</td>
<td>0.7–1.5 hours</td>
<td>&lt; 1 day</td>
<td>20</td>
</tr>
<tr>
<td>Benzoylcegonine</td>
<td>Cocaine metabolite</td>
<td>5.5–7.5 hours</td>
<td>1–2 days</td>
<td>20</td>
</tr>
<tr>
<td>m-hydroxy benzoylcegonine</td>
<td>Cocaine metabolite</td>
<td>1.5–3.5 hours</td>
<td>20</td>
<td>N/A</td>
</tr>
<tr>
<td>Cocylethylene</td>
<td>Cocaine metabolite (formed when cocaine is used with alcohol)</td>
<td>1.4–4.2 hours</td>
<td>&lt; 1 day</td>
<td>10</td>
</tr>
<tr>
<td>Methylenedioxymethamphetamine (MDMA)</td>
<td>Methamphetamine</td>
<td>1–3 days</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>Methamphetamine (MDMA)</td>
<td>Methamphetamine</td>
<td>1–7 days</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Nicotine</td>
<td>Nicotine metabolite</td>
<td>9–10 hours</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Nicotine</td>
<td>Nicotine metabolite</td>
<td>3–12 hours</td>
<td>0.1</td>
<td>1</td>
</tr>
<tr>
<td>Trans-3-Hydroxyxocaine</td>
<td>Nicotine metabolite</td>
<td>9–10 hours</td>
<td>0.1</td>
<td>1</td>
</tr>
<tr>
<td>Anabasine</td>
<td>Alkaloid present in tobacco (supports active tobacco use vs. nicotine replacement)</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td><strong>OPIOIDS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buprenorphine</td>
<td>Buprenex, Suboxone, Subutex</td>
<td>26–42 hours</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Norbuprenorphine</td>
<td>Buprenorphine metabolite</td>
<td>15–150 hours</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Glucuronides‡</td>
<td>Buprenorphine metabolites</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Codeine</td>
<td>Included in many preparations; morphine metabolite; may be a contaminant if &lt; 2 percent of morphine</td>
<td>1.9–3.9 hours</td>
<td>2–3 days</td>
<td>2</td>
</tr>
<tr>
<td>Dihydrocodeine</td>
<td>Drocide, DHC Plus, Synalgos-DC; codeine metabolite</td>
<td>3.4–4.5 hours</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Fentanyl</td>
<td>Actiq, Duragesic, Fentora, Ionsys, Sublimaze</td>
<td>3–12 hours</td>
<td>0.1</td>
<td>1</td>
</tr>
<tr>
<td>Norfentanyl</td>
<td>Fentanyl metabolite</td>
<td>9–10 hours</td>
<td>0.1</td>
<td>1</td>
</tr>
<tr>
<td>Heroin</td>
<td>Daicetylmorphine, dope, smack, dust; parent drug not detected</td>
<td>0.1–0.25 hours</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>6-acetylmorphine‡</td>
<td>Heroin metabolite; 6-monoacetylmorphine, 6-MAM</td>
<td>1–2 days</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Hydrocodeine</td>
<td>Anexia, Damason-P, Hycodon, Lortab, Maxidone, Norco, Panacet, Vicodin, Zydone; codeine metabolite; may be a contaminant if &lt; 2 percent of oxycodone</td>
<td>3.4–8.8 hours</td>
<td>2–3 days</td>
<td>2</td>
</tr>
<tr>
<td>Hydromorphone</td>
<td>Dilaudid; morphine and hydrocodone metabolite</td>
<td>1.5–3.8 hours</td>
<td>2–3 days</td>
<td>2</td>
</tr>
<tr>
<td>Morphine</td>
<td>Included in many preparations; Astromorph, Avinza, DepoDur, Duramorph, Kadian, MS Contin; poppy seeds (low concentrations expected); heroin metabolite</td>
<td>1.3–6.7 hours</td>
<td>2–3 days</td>
<td>2</td>
</tr>
<tr>
<td>Oxycodone</td>
<td>Oxycodone (with acetaminophen: Endocet, Percocet, Roxicet; with asprin: Endodan, Percodan, Roxiprin; with ibuprofen: Combunox)</td>
<td>3–6 hours</td>
<td>2–3 days</td>
<td>2</td>
</tr>
<tr>
<td>Oxymorphone</td>
<td>Numorphan, Opana; oxycodone metabolite</td>
<td>7.5–9.5 hours</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Meperidine</td>
<td>Demerol, Mepergan</td>
<td>2–5 hours</td>
<td>1–2 days</td>
<td>2</td>
</tr>
<tr>
<td>Normeperidine‡</td>
<td>Meperidine metabolite</td>
<td>18–24 hours</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Methadone</td>
<td>Dolophine, Methadose</td>
<td>15–55 hours</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>EDDP</td>
<td>Methadone metabolite; 2-ethylidene-1,5-dimethyl-2,2-diphenylpyrrolidine</td>
<td>15–55 hours</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Propoxyphene</td>
<td>Darvon, Wygesic (with acetaminophen: Darvocet, Digesic)</td>
<td>8–24 hours</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Norpropoxyphene‡</td>
<td>Propoxyphene metabolite</td>
<td>16–30 hours</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Tapentadol</td>
<td>Nucynta</td>
<td>4 hours</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>N-Desmethytlapentadol‡</td>
<td>Tapentadol metabolite</td>
<td>1–2 days</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Tramadol</td>
<td>Ultram</td>
<td>4–8 hours</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>O-Desmethytltramadol‡, N-Desmethytltramadol‡</td>
<td>Tramadol metabolites</td>
<td>4–10 hours</td>
<td>50</td>
<td>50</td>
</tr>
</tbody>
</table>

* A metabolite is an end product that is eliminated and remains after a drug is modified (metabolized) by the body.
† Detection limits and plasma half-lives should be considered estimates. Numerous factors can affect these numbers; call the laboratory to discuss.
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^ Qualitative results only (quantitative result not reported).
| DRUG, DRUG METABOLITE(S)

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<tr>
<td><strong>SEDATIVE-HYPNOTICS: BARTBITURATES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amobarbital</td>
<td>Amytal</td>
<td>15–40 hours</td>
<td>4–6 days</td>
</tr>
<tr>
<td>Butalbital</td>
<td>Sandopral</td>
<td>35–88 hours</td>
<td>4–6 days</td>
</tr>
<tr>
<td>Pentobarbital</td>
<td>Nembutal</td>
<td>20–30 hours</td>
<td>4–6 days</td>
</tr>
<tr>
<td>Phenoobarbital</td>
<td>Luminal</td>
<td>2–6 days</td>
<td>1–16 days</td>
</tr>
<tr>
<td>Secobarbital</td>
<td>Seconal</td>
<td>22–29 hours</td>
<td>4–6 days</td>
</tr>
<tr>
<td><strong>SEDATIVE-HYPNOTICS: BENZODIAZEPINES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alprazolam</td>
<td>Xanax</td>
<td>6–27 hours</td>
<td>2–4 days</td>
</tr>
<tr>
<td>Alpha-hydroxylalprazolam</td>
<td>Alprazolam metabolite</td>
<td>13–20 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Clonazepam</td>
<td>Clonopin, Klonopin</td>
<td>19–80 hours</td>
<td>2–4 days</td>
</tr>
<tr>
<td>7-amino clonazepam</td>
<td>Clonazepam metabolite</td>
<td>30–92 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Diazepam</td>
<td>Valtium, Valrelease</td>
<td>21–37 hours</td>
<td>2–7 days</td>
</tr>
<tr>
<td>Flurazepam</td>
<td>Dalmane; parent drug not detected</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desalkylflurazepam</td>
<td>Flurazepam metabolite</td>
<td>34–154 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Alpha-hydroxyethylflurazepam</td>
<td>Flurazepam metabolite</td>
<td>1–2.5 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Lorazepam</td>
<td>Ativan</td>
<td>9–16 hours</td>
<td>5–7 days</td>
</tr>
<tr>
<td>Midazolam</td>
<td>Versed</td>
<td>1–4 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Nordiazepam</td>
<td>Librium, Paxipam, Tranxene, Centrax, Valtium; metabolite of several drugs: chlorodiazepoxide (Librium), clorazepate (Tranxene), diazepam, halezepam (Paxipam), prazepam (Centrax)</td>
<td>85–110 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Oxazepam</td>
<td>Serax; nordiazepam and temazepam metabolite</td>
<td>4–11 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Temazepam</td>
<td>Normison, Restoril; diazepam metabolite</td>
<td>3–13 hours</td>
<td>20 20</td>
</tr>
<tr>
<td>Triazolam</td>
<td>Halcion; parent drug not detected</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alpha-hydroxytriazolam</td>
<td>Triazolam metabolite</td>
<td>5–6 hours</td>
<td>20 20</td>
</tr>
<tr>
<td><strong>HALLUCINOGENS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phencyclidine (PCP)</td>
<td>PCP, Sernyl, Sernylan, angel dust</td>
<td>7–46 hours</td>
<td>10 10</td>
</tr>
<tr>
<td><strong>CANNABINOIDS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-Nor-9-Carboxy-Delta-9-</td>
<td>Marinol, draboin, marijuana, weed, cannabis, ganja, hashish, pot, THC; cannabinoid metabolite</td>
<td>4–12 h</td>
<td>5 5</td>
</tr>
<tr>
<td>Tetrahydrocannabinol</td>
<td></td>
<td>1–45 days</td>
<td></td>
</tr>
</tbody>
</table>

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