

DRUG PLASMA HALF-LIFE AND URINE DETECTION WINDOW | SEPTEMBER 2017

| DRUG, DRUG METABOLITE(S)* | COMMON TRADE AND STREET NAMES, NOTES | PLASMA HALF-LIFE [†] | URINE-DETECTION WINDOW [‡] |
|---|--|-------------------------------|-------------------------------------|
| STIMULANTS | | | |
| Amphetamine | Benzedrine, dexedrine, Adderall, Vyvanse, speed; could be methamphetamine metabolite; if so, typically < 30 percent of parent | 7–34 hours | 1–5 days |
| Cocaine | Coke, crack; parent drug rarely observed due to short half-life | 0.7–1.5 hours | < 1 day |
| Benzoylcegonine | Cocaine metabolite | 5.5–7.5 hours | 1–2 days |
| Methamphetamine | Desoxyn, methedrine, Vicks inhaler (D- and L-isomers not resolved; low concentrations expected if the source is Vicks); selegeline (Atapryl, Carbox, Eldepryl, Zelapar) metabolite | 6–17 hours | 1–5 days |
| Methylenedioxyamphetamine (MDA) | MDA | 11–17 hours | 1–3 days |
| Methylenedioxyethylamphetamine (MDEA) | MDEA, MDE, Eve | 6–11 hours | 1–3 days |
| Methylenedioxymethamphetamine (MDMA) | MDMA, XTC, ecstasy, Molly | 6–10 hours | 1–3 days |
| Methylphenidate | Ritalin, Concerta, Metadate, Methylin | 1.4–4.2 hours | < 1 day |
| Ritalinic acid | Methylphenidate metabolite | 1.8–2.5 hours | < 1 day |
| OPIOIDS | | | |
| Buprenorphine | Buprenex, Suboxone, Subutex | 26–42 hours | 1–7 days |
| Norbuprenorphine, Glucuronides | Buprenorphine metabolites | 15–150 hours | 1–14 days |
| Codeine | Included in many preparations; morphine metabolite; may be a contaminant if < 2 percent of morphine | 1.9–3.9 hours | 1–3 days |
| Fentanyl | Actiq, Duragesic, Fentora, Sublimaze, Ionsys | 3–12 hours | 1–3 days |
| Norfentanyl | Fentanyl metabolite | 9–10 hours | 1–3 days |
| Heroin | Diacetylmorphine, dope, smack, dust; parent drug not detected. | 0.1–0.25 hours | < 1 day |
| 6-acetylmorphine | Heroin metabolite; 6-monoacetylmorphine, 6-MAM | | |
| Hydrocodone | Anexsia, Damason-P, Hycodan, Lortab, Maxidone, Norco, Panacet, Vicodin, Zydone; codeine metabolite; may be a contaminant if < 2 percent of oxycodone | 3.4–8.8 hours | 1–3 days |
| Norhydrocodone | | | 1–3 days |
| Hydromorphone | Dilaudid; morphine and hydrocodone metabolite | 1.5–3.8 hours | 1–3 days |
| Norhydromorphone | | | 1–3 days |
| Meperidine | Demerol, Mepergan | 2–5 hours | 1–2 days |
| Normeperidine | Meperidine metabolite | 18–24 hours | 1–4 days |
| Methadone | Dolophine, Methadose | 15–55 hours | 1–14 days |
| EDDP | Methadone metabolite; 2-ethylidene-1,5-dimethyl-2,2-diphenylpyrrolidine | 15–55 hours | 1–14 days |
| Morphine | Included in many preparations; Astromorph, Avinza, DepoDur, Duramorph, Kadian, MS Contin; poppy seeds (low concentrations expected); heroin metabolite | 1.3–6.7 hours | 1–3 days |
| Oxycodone | Oxycontin (with acetaminophen: Endocet, Percocet, Roxicet; with aspirin: Endodan, Percodan, Roxiprin; with ibuprofen: Combunox) | 3–6 hours | 1–3 days |
| Noroxycodone | | | 1–3 days |
| Oxymorphone | Numorphan, Opana; oxycodone metabolite | 7.5–9.5 hours | 1–3 days |
| Noroxymorphone | | | 1–3 days |
| Propoxyphene | Darvon, Wygesic (with acetaminophen: Darvocet, Digesic) | 8–24 hours | 1–4 days |
| Norpropoxyphene | Propoxyphene metabolite | 16–30 hours | 1–4 days |
| Tapentadol | Nucynta | 4 hours | 1–3 days |
| N-Desmethyltapentadol, Tapentadol-O-sulfate | Tapentadol metabolites | | 1–3 days |
| Tramadol | Ultram | 4–8 hours | 1–4 days |
| O-Desmethyltramadol, N-Desmethyltramadol | Tramadol metabolites | 4–10 hours | 1–3 days |

* 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.

‡ Based on lowest concentration reported by GC-MS or LC-MS/MS; S/P:

serum or plasma (ng/mL); U: urine (ng/mL); N/A: not available.

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| SEDATIVE-HYPNOTICS | | | |
|-------------------------|--|--------------|-----------|
| Alprazolam | Xanax | 6–27 hours | 1–4 days |
| Alpha-hydroxyalprazolam | Alprazolam metabolite | 13–20 hours | 1–4 days |
| Amobarbital | Formerly known as amylobarbitone or sodium amytal | 8–42 hours | 1–7 days |
| Butalbital | Fioricet, Fiorinal, Esgic, Axocet | 35–88 hours | 1–6 days |
| Carisoprodol | Soma | 1–2.5 hours | 1–4 days |
| Clonazepam | Clonopin, Klonopin | 19–60 hours | 1–4 days |
| 7-amino clonazepam | Clonazepam metabolite | 30–92 hours | 1–4 days |
| Chlordiazepoxide | Librium, Paxipam, Tranxene, Centrax, Valium; metabolite of several drugs: chlorodiazepoxide (Librium), clorazepate (Tranxene), diazepam, halezepam (Paxipam), prazepam (Centrax) | 85–110 hours | 1–10 days |
| Nordiazepam | | 36–200 hours | 1–10 days |
| Oxazepam | Serax; nordiazepam, temazepam metabolite | 4–11 hours | 1–7 days |
| Diazepam | Valium, Valrelease | 21–37 hours | 1–7 days |
| Lorazepam | Ativan | 9–16 hours | 1–7 days |
| Midazolam | Versed | 1–4 hours | 1–2 days |
| Alpha-hydroxymidazolam | Midazolam metabolite | | 1–2 days |
| Pentobarbital | Nembutal | 15–50 hours | 1–21 days |
| Phenobarbital | Luminal | 2–6 days | 1–16 days |
| Secobarbital | Seconal | 15–42 hours | 1–4 days |
| Temazepam | Normison, Restoril; diazepam metabolite | 3–13 hours | 1–4 days |
| Triazolam | Halcion; parent drug not detected. | 5–6 hours | 1–2 days |
| Zolpidem | Ambien | 2–3 hours | 1–3 days |

| OTHER | | | |
|---|--|---------------|-----------|
| 11-Nor-9-Carboxy-Delta-9-Tetrahydrocannabinol | Marinol, dronabinol, marijuana, weed, cannabis, ganja, hashish, pot, THC; cannabinoid metabolite | 4–12 hours | 1–45 days |
| Nicotine | | 0.4–1.5 hours | 1–3 days |
| Cotinine | | | |
| 3-OH Cotinine | Nicotine metabolites | | 1–7 days |
| Nornicotine | | | |
| Phencyclidine (PCP) | PCP, Sernyl, Sernylan, angel dust | 7–46 hours | 1–7 days |

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