

DRUG TEST TABLE MECONIUM AND UMBILICAL CORD

| Drug Class, Drug, Drug Metabolite(s)* | Common Trade and Street Names, Other Sources (Notes) | LLOQ [†] | |
|--|---|-------------------|--------------------------|
| | | MEC (ng/g) | CORD [^] (ng/g) |
| Stimulants | | | |
| Amphetamine | Adderall, Evekeo, Procentra, Zenzidi, Dexedrine, Vyvanse, speed (could be methamphetamine metabolite; if so, typically < 30% of parent) | 20 | 5 |
| Methamphetamine | Desoxyn, methedrine, Vicks inhaler (D and L isomers not resolved; low concentrations are expected if the source is Vicks) or a metabolite of selegiline (Atapryl, Carbex, Deprenyl, Eldepryl) | 20 | 5 |
| Methylenedioxyamphetamine (MDMA) | E, XTC, ecstasy, molly | 20 | 5 |
| Methylenedioxyethylamphetamine (MDEA) | Eve, MDE | 20 | NA |
| Methylenedioxyamphetamine (MDA) | Sally, sass, MDMA or MDEA metabolite | 20 | NA |
| Phentermine | Adipex, Qsymia, Suprenza | NA | 8 |
| Cocaine | Coke, crack (parent drug rarely observed due to short half-life) | 20 | 0.5 |
| <i>Benzoyllecgonine</i> | Cocaine metabolite | 20 | 0.5 |
| <i>m-hydroxy benzoyllecgonine</i> [^] | Cocaine metabolite (often the only cocaine metabolite in meconium) | 20 | 1 |
| <i>Cocaethylene</i> | Cocaine metabolite (formed when cocaine is used with alcohol but rarely detected in meconium and cord) | 20 | 1 |
| Opioids | | | |
| Buprenorphine | Butrans, Buprenex, Bunavail, Suboxone, Zubsolv | 20 | 1 |
| <i>Norbuprenorphine</i> | Buprenorphine metabolite | 20 | 0.5 |
| <i>Buprenorphine-glucuronide</i> | Buprenorphine metabolite | NA | 1 |
| Codeine | Included in many preparations (may be a contaminant of morphine if < 2% of morphine or a contaminant of heroin). Common metabolite is morphine; minor metabolite is hydrocodone. | 20 | 0.5 |
| Dihydrocodeine | Drocode, DHC Plus, Synalgos-DC, hydrocodone metabolite | NA | 1 |
| Fentanyl | Abstral, Actiq, Duragesic, Fentora, Subsys, Ionsys, Lazanda | NA | 0.5 |
| Heroin | Diacetylmorphine, dope, smack, dust (parent drug not detected) | NA | NA |
| <i>6-acetylmorphine</i> | Heroin metabolite; 6-AM, 6-monoacetylmorphine (rarely observed); common metabolite is morphine. | 20 | 1 |

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|---------------------------------------|--|-------------------|--------------------------|
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| Hydrocodone | Included in many preparations (with acetaminophen: Lortab, Lorcet, Co-Gesic, Vicodin; with ibuprofen: Ibudone); codeine metabolite (may be a contaminant of oxycodone if < 2% of oxycodone). Common metabolites are dihydrocodeine, norhydrocodone, and hydromorphone. | 20 | 0.5 |
| <i>Norhydrocodone</i> | Hydrocodone metabolite | N/A | 1 |
| Hydromorphone | Dilaudid; morphine and hydrocodone metabolite | 20 | 0.5 |
| Morphine | Included in many preparations: Astromorph, Avinza, DepoDur, Duramorph, Kadian, MS Contin (with naltrexone: Embeda); poppy seeds (low concentrations expected); heroin and codeine metabolite. Minor metabolite is hydromorphone. | 20 | 0.5 |
| Oxycodone | OxyContin (with acetaminophen: Endocet, Percocet, Roxicet; with aspirin: Endodan, Percodan, Roxiprin; with ibuprofen: Combunox). Common metabolites are oxymorphone and noroxycodone. | 20 | 0.5 |
| <i>Noroxycodone</i> | Oxycodone metabolite | N/A | 1 |
| Oxymorphone | Numorphan, Opana, oxycodone metabolite; common metabolite is noroxymorphone. | 20 | 0.5 |
| <i>Noroxymorphone</i> | Oxymorphone and noroxycodone metabolite | N/A | 0.5 |
| Meperidine | Demerol, Mepergan | NA | 2 |
| Methadone | Dolophine, Methadose | 10 | 2 |
| <i>EDDP</i> | Methadone metabolite; 2-ethylidene-1,5-dimethyl-2,2-diphenylpyrrolidine | 10 | 1 |
| Naloxone | Evzio or in combination with buprenorphine or pentazocine | NA | 1 |
| Propoxyphene | Darvon, Wygesic (with acetaminophen: Darvocet, Digesic) | NA | 1 |
| Tapentadol | Nucynta | NA | 2 |
| Tramadol | Ultram, Ultracet, ConZip | NA | 2 |
| <i>N-desmethyltramadol</i> | Tramadol metabolite | NA | 2 |
| <i>O-desmethyltramadol</i> | Tramadol metabolite | NA | 2 |

Sedative-Hypnotics: Barbiturates

| | | | |
|---------------|--|----|----|
| Butalbital | Sandoptal or combination products like Fioricet, Ascomp, and Esgic | 50 | 25 |
| Phenobarbital | Luminal or combination drug products like Donnatal | 50 | 75 |

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|---------------------------------------|--|-------------------|--------------------------|
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Sedative-Hypnotics: Benzodiazepines

| | | | |
|--------------------------------|---|----|-----|
| Alprazolam | Xanax | 20 | 0.5 |
| <i>Alpha-hydroxyalprazolam</i> | Alprazolam metabolite | 20 | 0.5 |
| Clonazepam | Clonopin, Klonopin | 20 | 1 |
| <i>7-amino clonazepam</i> | Clonazepam metabolite | 20 | 1 |
| Diazepam | Valium, Diastat, Valrelease; common metabolites are nordiazepam and temazepam. | 20 | 1 |
| Lorazepam | Ativan | 20 | 5 |
| Midazolam | Versed | 20 | 1 |
| <i>Alpha-hydroxymidazolam</i> | Midazolam metabolite | NA | 2 |
| Nordiazepam | Metabolite of several drugs: chlorodiazepoxide (Librium), clorazepate (Tranxene), diazepam, halezepam (Paxipam), prazepam (Centrax); common metabolite is oxazepam. | 20 | 1 |
| Oxazepam | Serax; nordiazepam and temazepam metabolite | 20 | 2 |
| Temazepam | Normison, Restoril, diazepam metabolite | 20 | 1 |
| Zolpidem | Ambien, Edluar, Intermezzo, Zolpimist | NA | 0.5 |

Hallucinogens

| | | | |
|---------------|-----------------------------------|----|---|
| Phencyclidine | PCP, Sernyl, Sernylan, angel dust | 10 | 1 |
|---------------|-----------------------------------|----|---|

Cannabinoids

| | | | |
|--|---|---|-----|
| <i>11-nor-9-carboxy-delta-9-tetrahydrocannabinol</i> | Marinol, Dronabinol, marijuana, weed, cannabis, ganja, hashish, THC, cannabinoid metabolite | 5 | 0.2 |
|--|---|---|-----|

Ethanol Metabolite

| | | | |
|--------------------------|--|----|---|
| <i>Ethyl glucuronide</i> | | NA | 5 |
|--------------------------|--|----|---|

*Metabolite: an end product that remains (and is eliminated) after a drug is modified (metabolized) by the body; italics used above to identify.

[^]Qualitative only (quantitative result not reported)
MEC = meconium **CORD** = umbilical cord

[†]Lowest concentration reported, cutoff
NA = not available

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