

Guide to Abused Drugs



	Drug	Trade name	Street name	Mode of use	Progressive effects	Duration of physical effect	Principal metabolites	Approximate detection time in urine	Approx. detection time in oral fluid	HHS/SAMHSA cutoffs & compounds confirmed
Alcohol (Central Nervous System Depressant)	Ethanol, ethyl alcohol, alcohol	Ethanol, ethyl alcohol, alcohol are nonproprietary names	Booze, brew, juice, liquor, sauce, spirits, vino	Oral	Initially acts as a stimulant, relaxation, mid euphoria, nausea, flushing, intoxication, aggression, coma	Parallels blood levels – dose dependent. 0.1% is often used as the forensic cutoff for Driving While Intoxicated	Acetaldehyde, acetic acid	Ethanol is readily metabolized and eliminated, resulting in a detection time measured in hours. Blood levels decline an average of 0.018%/hour, so clearance may be a few hours. Urine may stay positive slightly longer than blood or breath, since the bladder may retain the specimen past blood clearance.		None GC for ethanol common technique
Amphetamine (Central Nervous System Stimulant)	Amphetamine	Dexadrine® Benzedrine®	Bennies, crystal, dexies, speed, uppers	Oral, injected, snorted	Euphoria, insomnia, anorexia, paranoid psychosis	2-4 hours	Benzoic acid, hydroxyamphetamine, hydroxynorephedrine, phenylacetone, p-hydroxyamphetamine, hydroxy and glucuronide conjugates of the parent drug	2-4 days % excreted unchanged in 24 hours: 20 - 30%	24-72 hours	Immunoassay: 1000 ng/mL GC/MS: 500 ng/mL Confirm for amphetamine
Barbiturates (Depressant/sedative)	Amobarbital, butobarbital, butalbital, pentobarbital, phenobarbital, secobarbital	Amytal®, Tuinal®, Butisol sodium®, Fiorinal®, Nembutal®, Luminal®, Seconal®	Barbs, black beauties, bluebirds, blue heaven, downers, goofballs, M&Ms, nembies, phennies, rainbows, red balls, red birds, red devils, reds, seccies, tooies, yellow jackets, yellows	Oral, injected	Exhilaration, sedation, lethargy, stupor, disorientation, respiratory depression, coma	3-24 hours	Hydroxy- and glucuronide conjugates of the parent drug	3 days (phenobarbital can be detected for 2 weeks or longer) % excreted unchanged in 24 hours: 1 - 30%		None Frequently used cutoffs are 100, 200, or 300 ng/mL Confirm for parent drugs
Benzodiazepines (Depressive/sedative)	Alprazolam, chlordiazepoxide, clorazepate, diazepam, flunitrazepam, flurazepam, lorazepam, oxazepam	Xanax®, Librium®, Tranxene®, Valium®, Rohypnol®, Dalmane®, Ativan®, Serax®	Blue bombs, blues, downers, nerve pills, ruffies, tranks, yellows	Oral, injected	Drowsiness, dizziness, disorientation, muscle relaxation, coma	4-12 hours	Nordiazepam, 3-hydroxydiazepam, norchlordiazepoxide, demoxepam, hydroxy- and glucuronide conjugates of the parent drug	Up to 2 weeks % excreted unchanged in 24 hours: < 1%		None Frequently used cutoffs are 100, 200, or 300 ng/mL Generally confirm for parent drugs
Cannabinoids (Cannabis/ Hallucinogen)	Marijuana, Hashish Hashish Oil	None	Acapulco Gold, bhong, boom, bud, cannabis, charas, chronic, dope, gangster, ganja, grass, hash, hemp, herb, joint, khif, Mary Jane, pot, reefer, roaches, sinsemilla, smoke, tea, Thai sticks, weed Red oil, honey oil	Smoked, oral	Mild euphoria, altered perception, memory loss, agitation, irritation, disorientation, psychosis	2-4 hours	11-nor-9-carboxy- Δ^9 -THC, 11-hydroxytetrahydrocannabinol, 8,11-dihydrocannabinol, 8 α hydroxycannabinol, 8 β -hydroxycannabinol	Infrequent user: up to 10 days Chronic user: 30 days or longer % excreted unchanged in 24 hours: < 1%	Less than 24 hours	Immunoassay: 50 ng/mL GC/MS: 15 ng/mL Confirm for 11-nor-9-carboxy- Δ^9 -THC Frequently used alternate cutoffs for immunoassays: 20, 25, or 100 ng/mL
Cocaine	Cocaine	None	Blow, Bolivian rock, Coke, crack, flake, mother of pearl, nose candy, snow, toot, white lady	Snorted, injected, smoked	Hyperactivity, euphoria, confusion, depression, convulsions, cardiotoxicity	1-2 hours	Benzoylcegonine, ecgonine, ecgonine methyl esters	2 - 3 days Up to 3 weeks for daily users % excreted unchanged in 24 hours: < 10%	24-36 hours	Immunoassay: 300 ng/mL GC/MS: 150 ng/mL Confirm for benzoylcegonine Frequently used alternate cutoff for immunoassay: 150 ng/mL
Methadone (Opiate/Narcotic)	Methadone	Dolophine®, Methadose, Amidone®	Dolly	Oral, injected	Analgesia, sedation, respiratory depression, coma	12 - 24 hours	2-ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine; 2-ethyl-5-methyl-3, 3-diphenylpyrrolidine; methadol; normethadol; conjugates	2 - 4 days % excreted unchanged in 24 hours: 5 - 50%		None Frequently used cutoff is 300 ng/mL Confirm for methadone
Methamphetamine (Central Nervous System Stimulant)	Methamphetamine Methylenedioxy-amphetamines MDA, MDMA, MDE	Desoxyn®, Methadrine® Enactogens	Crank, ice, meth, rocks Adam, Ecsta Eve, ecstasy, love pill, love drug, XTC	Oral (Ice: smoked)	Dry mouth, sweating, insomnia, tachycardia, hypertension, hyperthermia, liver enlargement	2 - 4 hours Smoked ice: up to 24 hours	4-hydroxymethamphetamine, amphetamine, 4-hydroxynorephedrine, norephedrine, p-hydroxyamphetamine, hydroxy- and glucuronide conjugates of the parent drug	2 - 4 days % excreted unchanged in 24 hours: 10 - 20%	24-72 hours	Immunoassay: 1000 ng/mL GC/MS: 500 ng/mL Confirm for methamphetamine +200 ng/mL amphetamine Frequently used alternate cutoff for immunoassay: 500 ng/mL
Opiates (Opiate/Narcotic)	Heroin Codeine Hydromorphone, morphine, oxycodone, oxymorphone	No trade name Codeine, Empirin® with codeine, Robitussin® A-C Dilaudid®, morphine sulfate, Duramorph®, Percocet®, Percodan®, Numorphan®	Horse, smack, stuff, brown sugar, China white, scag School boy Juice, No. 2's, No. 4's, D's, junk, white stuff, morpho, M, Miss Emma, percs, blues, blue morphine	Oral, injected, smoked, snorted	Analgesia, sedation, euphoria, nausea, respiratory depression, convulsions, coma	3 - 6 hours	Morphine-3-glucuronide, morphine-6-glucuronide, morphine sulfate, normorphine, codeine, morphine, norcodeine	2 - 3 days % excreted unchanged in 24 hours: < 10%	Morphine: 24-72 hours	Immunoassay: 2000 ng/mL GC/MS: 300 ng/mL Confirm for morphine and codeine Frequently used alternate cutoff for immunoassay: 300 ng/mL
Phencyclidine (Hallucinogen)	Phencyclidine	None	Angel dust, elephant tranquilizer, hog, killer weed, magic dust, PCP, rocket fuel	Oral, injected, snorted, smoked	Dissociative anesthesia, depression, psychosis, stupor, coma (organic brain syndrome), seizures	2 -4 hours Psychosis may last weeks	4-phenyl-4-piperidinocyclohexanol, 1-(1-phenylcyclohexyl)-4-hydroxyperidine, glucuronide conjugates	3 - 8 days % excreted unchanged in 24 hours: 30 - 50%	24-36 hours	Immunoassay: 25 ng/mL GC/MS: 25 ng/mL Confirm for phencyclidine



For more information, please call Varian at 1•800•737•9667 or visit our website at www.varian-on-site.com.

References

American Hospital Formulary Service Drug Information '92. Bethesda, MD: American Society of Hospital Pharmacists, Inc. 1992.
Clarke's Isolation and Identification of Drugs, 2nd ed. Moffat AC, Jackson JV, Moss MS, Widdop B, eds. London: The Pharmaceutical Press, 1986.
Clinical Pharmacokinetics: Drug Data Handbook, Auckland, New Zealand: ADIS International, 1991.
Disposition of Toxic Drugs and Chemicals in Man, 2nd ed. Baselt R. Davis, CA: Biomedical Publications, 1982.
GC/MS Assays for Abused Drugs in Body Fluids, NIDA Research Monograph Series No. 32. Foltz, RI, Fentiman AF, Foltz RB, Bethesda MD: Department of Health and Human Services, 1980.

Handbook of Analytical Toxicology, Sunshine I, ed. Cleveland OH: CRC Press, 1969.
Medical Toxicology: Diagnosis and Treatment of Human Poisoning. Ellenham ML, Barceloux DB. Amsterdam, The Netherlands: Elsevier Press, 1988.
The Merck Index and Encyclopedia of Chemicals, Drugs, and Biologicals, 10th ed. Rahway NJ: Merck and Co., 1983.
Methodology for Analytical Toxicology, Vols. I, III, Sunshine I, Jastrow P, eds. Cleveland, OH: CRC Press, 1975, 1982, 1985.

The Pharmacological Basis of Therapeutics, 7th ed. Gilman AG, Goodman LS, Rall TW, Murad F, eds. New York: Macmillan, 1985.
The Physician's Desk Reference, 48th ed. Oradell NJ: Medical Economics Co., Inc., 1994.
Urine Testing for Drugs of Abuse. NIDA Research Monograph Series No. 73. Hawks CN, Chiang CN. Bethesda MD: Department of Health and Human Services, 1986.
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