

Toxicology Screening Details



Our double-verified liquid chromatography and mass spectrometry panel detects a wide array of metabolites for various types of drugs, both prescribed and illicit, covering thirty distinct categories.

Drug Classes	Specific Drugs Within This Class + Brand Names (if applicable)	Detectable metabolites
Amphetamines	Amphetamine (Adderall, Concerta, Vyvanse, Focalin, Ritalin)	4-hydroxyamphetamine, 4-hydroxynorephedrine, 4-hydroxyphenylacetone, benzoic acid, hippuric acid, norephedrine, phenylacetone
	Methamphetamine	4-hydroxymethamphetamine, amphetamine
	Phentermine (Adipex-P, Lomaira, Suprenza)	Phentermine
	Pseudoephedrine (various cold medications)	Pseudoephedrine, norpseudoephedrine
Antidepressant I	Citalopram (Lexapro, Celexa)	Demethylcitalopram, didemethylcitalopram, citalopram-N-oxide, and a deaminated propionic acid derivative
	Duloxetine (Cymbalta)	4-hydroxy duloxetine glucuronide and 5-hydroxy, 6-methoxy duloxetine sulfate
	Fluoxetine (Prozac)	Norfluoxetine
	Fluvoxamine (Luvox)	5-demethoxylated carboxylic acid
	Sertraline (Zoloft)	Desmethylsertraline
Antidepressant II	Amitriptyline (Elavil)	Nortriptyline
	Amoxapine (Asendin)	8-hydroxyamoxapine, 7-hydroxyamoxapine
	Clomipramine (Anafranil)	Desmethylclomipramine
	Desipramine (Norpramin)	2-hydroxydesipramine
	Doxepin (Sinequan, Quitaxon, Adapin, Triadapin, Aponal)	N-desmethyldoxepin
	Imipramine (Tofranil)	Desipramine, hydroxyimipramine
	Mirtazapine (Remeron)	8-OH mirtazapine, dimethylmirtazapine
	Nortriptyline (Pamelor)	10-hydroxynortriptyline
Antidepressant III	Bupropion (Wellbutrin)	Hydroxybupropion, threohydrobupropion, erythrohydrobupropion
	Trazodone (Desyrel)	Meta-chlorophenylpiperazine (m-CPP)
	Venlafaxine (Effexor)	O-desmethylvenlafaxine, N-desmethylvenlafaxine, N,O-desmethylvenlafaxine
Antipsychotics	Aripiprazole (Abilify)	Dehydroaripiprazole, OPC3373
	Clozapine (Clozaril, FazaClo ODT, and Versacloz)	N-Desmethylclozapine, clozapine N-oxide
	Fluphenazine (Modecate)	Fluphenazine sulphoxide, 7-hydroxyfluphenazine
	Haloperidol (Haldol, Haloperidol LA, Peridol)	P-fluorobenzoylpropionic acid, 4-(4-chlorophenyl)-4-hydroxypiperidine, reduced

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Antipsychotics Continued		haloperidol, pyridinium metabolites, and haloperidol glucuronide
	Lurasidone (Latuda)	ID-14283, ID-14326
	Olanzapine (Zyprexa)	Desmethyl olanzapine, olanzapine-10-glucuronide
	Perphenazine (Trilafon)	N-dealkylperphenazine
	Quetiapine (Seroquel)	Norquetiapine
	Risperidone (Risperdal)	9-hydroxyrisperidone
	Thioridazine (Mellaril)	2-sulphoxide, 2-sulphone, 5-sulphoxide, N-desmethylthioridazine
	Ziprasidone (Geodon)	Benzisothiazole (BITP) sulphoxide, BITP-sulphone, ziprasidone sulphoxide, and S-methylidihydroziprasidone
Benzodiazepines	Alprazolam (Xanax)	4-hydroxyalprazolam, α -hydroxyalprazolam
	Clonazepam (Clonopin, Klonopin)	7-aminoclonazepam
	Diazepam (Valium)	Nordiazepam, temazepam, oxazepam
	Flurazepam (Dalmane)	Hydroxyethyl-flurazepam
	Lorazepam (Ativan)	Lorazepam glucuronide
	Midazolam (Versed)	1-OH-midazolam, 1-OH-midazolam-glucuronide
	Oxazepam (Serax, Alepam)	R-oxazepam glucuronide, S-oxazepam glucuronide
	Temazepam (Restoril)	Temazepam, O-conjugates of temazepam & desmethyltemazepam
	Triazolam (Halcion)	Alpha-hydroxytriazolam, 4-hydroxytriazolam
Buprenorphine	Buprenorphine (Buprenex, Suboxone, Subsolv, Subutex)	Buprenorphine-3-glucuronide, norbuprenorphine-3-glucuronide
Cannabinoids (THC)	Cannabis (marijuana)	Delta-9-tetrahydrocannabinolic acid (THCA), 11-hydroxy-THC, THC-COOH
Cannabidiol (CBD)	Cannabidiol (CBD)	Hydroxylated 7-COOH derivatives of CBD
Cocaine	Cocaine	Benzoylcegonine, ecgonine methyl ester
Ethanol metabolites	Alcohol (Alcoholic beverages and some liquid medications)	Acetaldehyde, ethyl-glucuronide, ethyl-sulfate
Ecstasy	3,4-methylenedioxyamphetamine (MDA)	Alpha-methyldopamine, 3-O-methyl-alpha-methyldopamine
	3,4-Methylenedioxy-N-ethylamphetamine (MDEA)	MDEA, MDA, 3,4-dihydroxyethylamphetamine, 4-hydroxy-3-methoxyethylamphetamine
	3,4-Methylenedioxymethamphetamine (MDMA)	MDA, 4-hydroxy-3-methoxymethamphetamine, 4-hydroxy-3-methoxyamphetamine
Fentanyl	Fentanyl (Actiq, Duragesic, Sublimaze)	Norfentanyl
Gabapentin	Gabapentin (Neurontin)	Gabapentin

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Heroin	Heroin	6-Acetylmorphine
Ketamine	Ketamine (Aneket)	Norketamine, dehydronorketamine
Methadone	Methadone (Methadose, Dolophine, Diskets)	2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine, 2-ethyl-5-methyl-3,3-diphenyl-1-pyrroline
Methylphenidate	Methylphenidate (Ritalin, Concerta)	Ritalinic acid
Muscle relaxants	Cyclobenzaprine (Flexeril, Amrix)	Norcyclobenzaprine
	Carisoprodol (Soma, Vanadom)	Meprobamate
	Meprobamate (Mb-Tab, Miltown, Trancot)	2 β -hydroxymeprobamate
Naloxone	Naloxone (Narcan)	Naloxone-3-glucuronide
Opiates	Codeine (Ala-Hist, Allfen, Ambenyl)	Codeine-6-glucuronide, norcodeine, morphine
	Dihydrocodeine (Panlor, Trezix, Zerlor)	Dihydromorphine, nordihydrocodeine
	Hydrocodone (Hysingla, Zohydro, Hycodan)	Hydromorphone, norhydrocodone
	Hydromorphone (Dilaudid, Exalgo)	Hydromorphone-3-glucuronide
	Morphine (MSiR, Roxanol, Kadian)	Morphine-3-glucuronide, morphine-6-glucuronide
Other Opioids	Dextromethorphan (Balminil, Delsym, Robitussin)	Dextrorphan
	Meperidine (Demerol, Pethidine)	Normeperidine, meperidinic acid
	Naltrexone (ReVia, Vivitrol, Depade)	6- β -naltrexol
Oxy-Opiates	Oxycodone	Noroxycodone, oxymorphone
	Oxymorphone	Noroxymorphone
Mitragynine	Mitragynine (Kratom)	7-Hydroxymitragynine
Phencyclidine	Phencyclidine (PCP)	PCHP, PPC and PCAA
Pregabalin	Pregabalin (Lyrica)	Pregabalin
Sedatives	Zaleplon (Sonata, Starnoc, Andante)	Desethylzaleplon, 5-oxo-desethylzaleplon
	Zolpidem (Ambien, Edluar, Intermezzo)	Zolpidem-4-phenyl carboxylic acid
Stimulants	Alpha-PVP (Bath salts)	β -OH PVP, PVP lactam
	Ethylone	Ethylone
	Meta-Chlorophenylpiperazine	Para-hydroxy-mCPP
	Phentermine (Adipex, Fastin)	Phentermine
Tapentadol	Tapentadol (Nucynta, Palexia)	Tapentadol-O-glucuronide
Tramadol	Tramadol (Ultram, Conzip)	N-desmethyltramadol

Drugs and metabolites other than the ones in this list may also be detected, although the drug categories remain the same.