

Acūtis

Quick
reference guide
for clinical
toxicology

Drug metabolism pathways (Urine)

Class	Analyte	Metabolite
Amphetamines	Methamphetamine (Desoxyn, Didrex)	2-72 hours → Amphetamine 2-72 hours
	Amphetamine (Adderall, Vyvanse)	2-72 hours
	Methylphenidate (Ritalin, Concerta)*	→ Ritalinic Acid 1-3 days
Antiepileptics	Gabapentin (Gralise, Horizant, Neurontin)	1-7 days
	Pregabalin (Lyrica)	1-7 days
Antidepressants	Amitriptyline (Elavil)	1-10 days → Nortriptyline 1-10 days
	Nortriptyline (Pamelor)	1-10 days
	Imipramine (Tofranil)	1-10 days → Desipramine 1-3 days
	Desipramine (Norpramin)	1-3 days
	Clomipramine (Anafranil)	1-3 days → N-Desmethyldoxepin 1-3 days
	Doxepin (Silenor)	1-3 days → N-Desmethyldoxepin 1-3 days
	Citalopram (Celexa, Lexapro)	1-3 days → N-Desmethyldoxepin 1-3 days
	Fluoxetine (Prozac)	1-3 days → Norfluoxetine 1-3 days
	Duloxetine (Cymbalta)	1-3 days
	Paroxetine (Paxil)	1-3 days
	Sertraline (Zoloft)	1-3 days
	Venlafaxine (Effexor)	1-3 days → O-Desmethylvenlafaxine (Pristique) 1-3 days
	Bupropion (Wellbutrin, Zyban, Contrave)	1-3 days → Hydroxybupropion 1-3 days
	Selegiline (Eldepryl)	1-3 days → N-Desmethylselegiline 1-3 days
	Trazodone	1-3 days
	O-Desmethylvenlafaxine (Pristique)	1-3 days
Antipsychotics	Chlorpromazine	1-3 days
	Clozapine (Clozaril)	1-3 days
	Fluphenazine	1-3 days
	Haloperidol (Haldol)	1-3 days
	Olanzapine (Zyprexa)	1-3 days
	Quetiapine (Seroquel)	1-3 days → Norquetiapine / 7-Hydroxyquetiapine 1-3 days
	Risperidone (Risperdal)	1-3 days → 9-Hydroxyrisperidone 1-3 days
Barbiturates	Amobarbital	1-3 days
	Pentobarbital (Nembutal)	1-3 days
	Butalbital (Fioricet)	1-3 days
	Secobarbital (Seconal)	1-7 days
	Phenobarbital	1-15 days

Drug metabolism pathways (Urine)

Class	Analyte		Metabolite	
Benzodiazepines	Alprazolam (Xanax)	1-3 days	→ Alpha-Hydroxyalprazolam	1-3 days
	Flurazepam (Dalmane)*		→ 2-Hydroxyethylflurazepam	1-2 days
	Clonazepam (Klonopin)	>1 day	→ 7-Aminoclonazepam	1-5 days
	Midazolam (Versed)*		→ Alpha-Hydroxymidazolam	1-3 days
	Lorazepam (Ativan)	1-5 days		
	Diazepam (Valium)	1-10 days	→ Nordiazepam	1-10 days
	Temazepam (Restoril)	1-5 days	→ Oxazepam	1 - 5 days
	Oxazepam (Serax)	1-5 days		
Designer drugs & others**	-		→ 5-fluoro ADB metabolite 2	1-3 days
	-		→ 5-fluoro ADB metabolite 7	1-3 days
	-		→ 5-fluoro AMB metabolite 7	1-3 days
	AB-CHMINACA	1-3 days	→ AB-CHMINACA metabolite M4	1-3 days
	AB-FUBINACA	1-3 days	→ AB-FUBINACA metabolite 2A	1-3 days
			→ AB-FUBINACA metabolite 4	1-3 days
			→ AB-FUBINACA metabolite 3	1-3 days
	MMB-FUBINACA	1-3 days	→ AB-FUBINACA metabolite 3	1-3 days
	AB-PINACA	1-3 days	→ AB-PINACA 4-hydroxypentyl metabolite	1-3 days
			→ AB-PINACA 5-pentanoic acid metabolite	1-3 days
	ADB-FUBINACA	1-3 days		
	-		→ AM-2201-4-hydroxypentyl metabolite	1-3 days
	MAB-CHMINACA	1-3 days	→ MAB-CHMINACA metabolite M1	1-3 days
			→ MAB-CHMINACA metabolite M11	1-3 days
	MMB-CHMICA	1-3 days	→ MDMB-FUBINACA metabolite M1	1-3 days
	-		→ UR-144 5-hydroxypentyl metabolite	1-3 days
	-		→ UR-144 5-pentanoic acid metabolite	1-3 days
	-		→ XLR-11 4-hydroxypentyl metabolite	1-3 days
	Mitragyne (Kratom)	1-3 days		
Illicit drugs	Heroin*		→ 6-Acetylmorphine	1-2 days
			↓	
			→ Morphine	1-3 days
	Cocaine*		→ Benzoylecgonine	1-5 days
	PCP	1-8 days		
	MDMA	2-72 hours	→ MDA	2-72 hours
	MDA	2-72 hours		
	MDEA	2-72 hours		

Drug metabolism pathways (Urine)

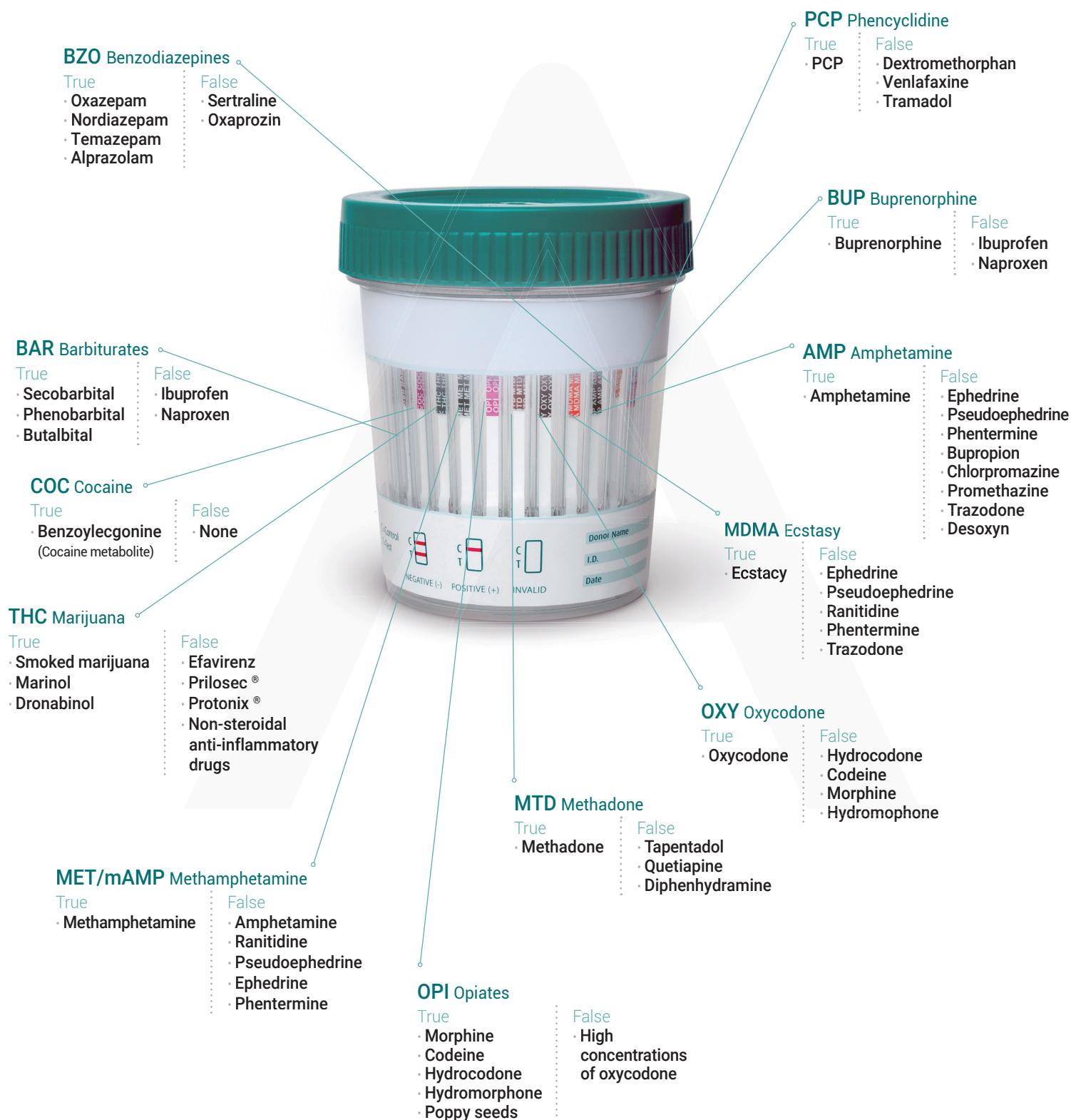
Class	Analyte	Metabolite
Fentanyl analogs**	Fentanyl / Acetyl fentanyl / Acrylfentanyl / Butyryl fentanyl / Furanyl fentanyl	Despropionyl fentanyl / 4-ANPP
	1-3 days	1-3 days
	4-Fluoroisobutyryl fentanyl (4-FIBF)	1-3 days
	4-Fluorobutyryl fentanyl (4-FBF)	1-3 days
	Acetyl fentanyl	→ Acetyl norfentanyl / 4-ANPP
	1-3 days	1-3 days
	Acrylfentanyl	→ 4-ANPP
	1-3 days	1-3 days
	Alfentanil (Alfenta)	1-3 days
	α-methyl fentanyl	1-3 days
	β-Hydroxythiofentanyl	1-3 days
	Butyryl fentanyl	→ Butyryl norfentanyl / 4-ANPP
	1-3 days	1-3 days
	Carfentanil	→ Norcarfentanil
	1-3 days	1-3 days
	cis-3-Methylfentanyl	1-3 days
	Cyclopropyl fentanyl	→ Cyclopropyl norfentanyl
	1-3 days	1-3 days
	Furanyl fentanyl	→ 4-ANPP / Furanyl norfentanyl
	1-3 days	1-3 days
	Isobutyryl fentanyl	→ Isobutyryl norfentanyl
	1-3 days	1-3 days
	Methoxyacetyl fentanyl	1-3 days
	Ocfentanil	1-3 days
	Ortho-fluorofentanyl	1-3 days
	Para-fluorofentanyl	1-3 days
	Sufentanil (Dsuvia)	1-3 days
	U-47700	→ N-Desmethyl U-47700
	1-3 days	1-3 days
	U-49900	1-3 days
	U-51754	1-3 days
	Valeryl fentanyl	1-3 days
Muscles relaxants	Carisoprodol (Soma)	→ Meprobamate
	1-3 days	1-3 days
	Meprobamate (Miltown)	1-3 days

* Metabolite(s) of this substance are tested by Acutis.

** Metabolic windows for this section are presumptive and are based on limited available clinical data.

Note: Times indicated represent detection windows

Possible sources of true & false positives on in-office POC



Common drugs & most popular street names



Adderall (Amphetamine)	Uppers · Beans · Black Beauties · Dexies · Speed · Zing
Alcohol	Booze · Juice · Hooch · Sauce
Barbiturates	Barbs · Phennies · Red Birds · Reds · Yellow Jackets
Cocaine	Blow · Bump · Charlie · Coke · Snow, Toot
Codeine	Captain Cody · Lean · Purple Drank · Sizzurp
Crack	Candy · Flake · Rock
Crystal Meth	Batu · Blade · Crystal · Glass · Hot Ice · Quartz · Shabu · Tina
Dextromethorphan	CCC · Dex · Robotripping · Skittles · Triple C · Velvet · Red Devils
Fentanyl	Apache · China Girl · China town · King Ivory · Murder 8 · Tango and Cash · TNT
Gabapentin	Johnnies
Heroin	Brown Sugar · China White · Dope · Junk · Smack · Tar
Hydromorphone	D · Dillies · Footballs · Juice
Ketamine	Jet K · Kit Kat · Special K · Vitamin K
Kratom (Mitragynine)	Biak-biak · Ketum · Kahuam · Thom
Marijuana	Aunt Mary · Blunt · Bud · Ganja · Grass · Herb · Mary Jane · Reefer · Skunk · Weed
MDMA	Adam · Beans · Disco Biscuit · E · Eve · Molly · X · XTC
Methadone	Amidone · Fizzies · Dollies · Chocolate Chip Cookies
Methamphetamine	Crank · Crystal · Glass · Meth · Speed · Tweak
Morphine	Miss Emma · Monkey · White Stuff
Oxycontin (Oxycodone)	Oxy · Blue · 512s · Kickers · Killers · Hillbilly Heroin
Oxymorphone	Blue Heaven · Blues · Heavenly Blues · O Bombs · Octagons · Stop Signs
PCP	Angel Dust · Love Boat · Peace Pill · Sherm
Ritalin (Methylphenidate)	R-ball · Diet Coke · Skippy · Pineapple · Kibbles and Bits · Skittles · Smarties
Synthetic Cathinones (Bath Salts)	Bloom · Cloud Nine · Cosmic Blast · Ivory Wave · Lunar Wave · Scarface · Vanilla Sky · White Lightening
Synthetic Marijuana	K2 · Spice · Black Mamba · Bliss · Bombay Blue · Genie · Moon Rocks · Yucatan
Vicodin (Hydrocodone)	Vikes · Vics · Vicos · Hydros · Lorris · Fluff · Scratch · Idiot Pills · Tabs · Watsons · 357s
Xanax (Alprazolam)	Xannies · Bars · Z-Bars · Handlebars · Planks · Bricks · Blue Footballs · Yellow Boys · White Boys · White Girls

Urine screening cutoff values comparison

Test abbreviation Drug or drug class	POC cup cutoff (ng/mL)	Traditional EIA urine screening cutoff (ng/mL)	Acutis NextGen screening - LC-MS/MS urine cutoff (ng/mL)
AMP Amphetamine	1000	1000	100
BAR Barbiturates	300	200	100
BUP Buprenorphine	10	5	10
BZO Benzodiazepines	300	200	50
COC Cocaine	300	150	50
FENT Fentanyl	-	1	5
HDC Hydrocodone	-	100	50
MTD Methadone	300	300	50
MET/mAMP Methamphetamine	1000	-	100
MDMA Ecstasy	500	-	100
OPI Opiates	300	300	50
OXY Oxycodone	100	100	50
PCP Phencyclidine	25	25	25

Acūtis

If you want to know more about our substance use & addiction testing

While our menu of testing options is continually refined to meet today's clinical requirements, our commitment to innovation promises ever more accurate results. You can always email or call Acutis and speak directly with one of our sales specialists to learn more.

844-522-8847

service@acutis.com

acutis.com

Acūtis=Accūracȳ