

Urine Confirmation Testing

Definitive quantitation by LC-MS/MS — panels, analytes, and reporting cutoffs



**PRETORIAN
LABS**

Toxicology Test Menu • v1.0 • 2026

STANDARD

43 ANALYTES

Benzodiazepines • Illicit • Opiates • Opioids • Phencyclidine • Stimulants

Covers the classes most monitored in medication compliance and substance use disorder programs.

COMPREHENSIVE

72 ANALYTES

Everything in Standard, plus Antidepressants • Antihistamine • Bath Salts • Fentanyl Analogues • Muscle Relaxants • Neuropathics • Other Tests • Sleep Aid

Our most complete picture of prescribed, non-prescribed, and illicit exposure.

ADD-ON PANELS

ORDER WITH EITHER PANEL

Barbiturates — butalbital, phenobarbital, secobarbital

EtG / EtS — alcohol biomarkers detecting use well beyond the window of ethanol itself

Individual analytes may also be ordered à la carte.

STANDARD PANEL • 43 ANALYTES

Cutoff is the lowest concentration reported as detected; **upper limit** is the highest we quantitate, above which results are reported as greater-than that value. All values ng/mL.

OPIATES 12		
ANALYTE	CUTOFF	UPPER LIMIT
6-Acetylmorphine heroin-specific metabolite	10	200
Codeine	50	1,000
Hydrocodone Norco, Vicodin	50	1,000
Hydromorphone Dilaudid	50	1,000
Meperidine Demerol	50	1,000
Morphine	50	1,000
Naloxone Narcan	50	10,000
Norhydrocodone hydrocodone metabolite	50	1,000
Normeperidine meperidine metabolite	50	1,000
Noroxycodone oxycodone metabolite	50	1,000
Oxycodone OxyContin, Percocet	50	1,000
Oxymorphone Opana	50	1,000

OPIOIDS 12		
ANALYTE	CUTOFF	UPPER LIMIT
Acetylfentanyl illicit fentanyl	2	40
Buprenorphine Suboxone, Subutex	5	10,000
Carfentanil illicit fentanyl	2	40
EDDP methadone metabolite	50	1,000
Fentanyl	2	40
Methadone Dolophine, Methadose	50	1,000
Naltrexone Vivitrol, ReVia	50	1,000
Norbuprenorphine buprenorphine metabolite	20	400
Norfentanyl fentanyl metabolite	15	300
O-Desmethyiltramadol tramadol metabolite	50	1,000
Tapentadol Nucynta	50	1,000
Tramadol Ultram	50	1,000

BENZODIAZEPINES 8		
ANALYTE	CUTOFF	UPPER LIMIT
7-Aminoclonazepam clonazepam metabolite	50	1,000
Alpha-Hydroxyalprazolam alprazolam metabolite	50	1,000
Alprazolam Xanax	50	1,000
Diazepam Valium	50	1,000
Lorazepam Ativan	50	1,000
Nordiazepam diazepam metabolite	50	1,000
Oxazepam Serax	50	1,000
Temazepam Restoril	50	1,000

ILLCITS 7		
ANALYTE	CUTOFF	UPPER LIMIT
4-ANPP fentanyl precursor	2	40
Benzoylcegonine cocaine metabolite	50	1,000
MDA MDMA metabolite	100	2,000
MDEA "Eve"	100	2,000
MDMA ecstasy, molly	100	2,000
Methamphetamine reflexes to D/L isomer	100	2,000
THC-COOH cannabis metabolite	20	5,000

STIMULANTS 3		
ANALYTE	CUTOFF	UPPER LIMIT
Amphetamine	100	2,000
Phentermine Adipex-P	100	2,000
Ritalinic Acid methylphenidate metabolite	100	2,000

PHENCYCLIDINE 1		
ANALYTE	CUTOFF	UPPER LIMIT
PCP phencyclidine	10	200

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COMPREHENSIVE PANEL ADDITIONS • 29 ANALYTES — 72 TOTAL WITH STANDARD

ANTIDEPRESSANTS 12			OTHER TESTS 6		
ANALYTE	CUTOFF	UPPER LIMIT	ANALYTE	CUTOFF	UPPER LIMIT
Amitriptyline Elavil	50	1,000	Ketamine Ketalar	50	1,000
Citalopram Celexa	25	500	Lamotrigine Lamictal	25	500
Desipramine Norpramin	50	1,000	Mitragynine kratom	10	200
Duloxetine Cymbalta	25	500	Norketamine ketamine metabolite	50	1,000
Fluoxetine Prozac	25	500	Pseudoephedrine Sudafed	100	2,000
Hydroxybupropion HBPP • bupropion metabolite	25	500	Xylazine "tranq"	5	100
Imipramine Tofranil	50	1,000	MUSCLE RELAXANTS 3		
Nortriptyline Pamelor	50	1,000	ANALYTE	CUTOFF	UPPER LIMIT
O-Desmethylenlafaxine ODV • venlafaxine metabolite	50	1,000	Carisoprodol Soma	50	1,000
Paroxetine Paxil	25	500	Cyclobenzaprine Flexeril	25	500
Sertraline Zoloft	25	500	Meprobamate carisoprodol metabolite	50	1,000
Trazodone Desyrel	50	1,000	NEUROPATHICS 2		
FENTANYL ANALOGUES 3			ANALYTE	CUTOFF	UPPER LIMIT
ANALYTE	CUTOFF	UPPER LIMIT	Gabapentin Neurontin	500	10,000
Acrylfentanyl	2	40	Pregabalin Lyrica	250	5,000
Fluorofentanyl para-fluorofentanyl	2	40	BATH SALTS 1		
Furanylfentanyl	2	40	ANALYTE	CUTOFF	UPPER LIMIT
ANTI-HISTAMINE 1			MDPV bath salts	50	1,000
ANALYTE	CUTOFF	UPPER LIMIT	SLEEP AID 1		
Diphenhydramine Benadryl	50	1,000	ANALYTE	CUTOFF	UPPER LIMIT
			Zolpidem PCA zolpidem / Ambien metabolite	10	200

ADD-ON PANELS • 5 ANALYTES

BARBITURATES 3			ALCOHOL BIOMARKERS 2		
ANALYTE	CUTOFF	UPPER LIMIT	ANALYTE	CUTOFF	UPPER LIMIT
Butalbital Fioricet, Fiorinal	300	6,000	EtG ethyl glucuronide • alcohol biomarker	500	10,000
Phenobarbital	300	6,000	EtS ethyl sulfate • alcohol biomarker	500	10,000
Secobarbital	300	6,000			

INCLUDED AT NO ADDITIONAL CHARGE — D/L METHAMPHETAMINE ISOMER

Every confirmed methamphetamine result above 100 ng/mL automatically reflexes to D/L isomer differentiation — no separate order required. The result distinguishes illicit or prescription D-methamphetamine from legitimate OTC and selegiline exposure, which produces the inactive L-isomer. Ask for our *D/L Methamphetamine Isomer Testing* client education sheet.

Methodology. Urine is screened by enzyme immunoassay (EIA) and definitively quantitated by LC-MS/MS on the Agilent 6465 Ultivo platform. Confirmation may be ordered with or without a preceding screen.

Regulatory. All urine EIA screen assays are 510(k) cleared by the FDA except the fentanyl screen assay. The fentanyl screen assay and all confirmation tests were developed by Pretorian Labs and their performance characteristics determined by Pretorian Labs; these have not been cleared or approved by the FDA, which does not require laboratory developed tests to undergo FDA review. This laboratory is certified under CLIA as qualified to perform high complexity testing. All assays are for clinical use, not investigational or research use.

Menu total: 77 analytes. Menu is subject to change; confirm current offerings with your Pretorian Labs account manager.