

Drug Trade/Street Name	Expected Findings Preliminary Screen	Expected Findings Confirmatory Test	Urinary Detection Time (Days)	Notes	Possible False Positives or False Negative Results±
<b>6-MAM (Heroin Metabolite)</b>				Specific screen for the detection of a heroin metabolite.	
<b>Heroin Tar, H</b>	6-MAM (Heroin Metabolite)/Opiates	6-MAM/Morphine	8 to 12 hours	Heroin is rapidly metabolized to 6-monoacetylmorphine (6-MAM), identification of 6-MAM is evidence of heroin use. Confirmation results may be positive for codeine and hydromorphone.	
<b>Amphetamines</b>				Amphetamines screen will detect amphetamine, methamphetamine, MDMA, MDEA, MDA.	Phentermine, chlorpromazine, DMAA, labetalol, metformin, PPA, bupropion, ofloxacin, promethazine, pseudoephedrine, ranitidine, and trazodone may cause a <b>false positive screen</b> .
<b>Amphetamine</b> Adderall®, Benzedrine®, Dexedrine®, ProCentra®, Vyvanse®	Amphetamines	Amphetamine	1 to 5	Amphetamine is prescribed, but also a metabolite of methamphetamine. Selegiline® and Benphetamine® metabolize to amphetamine.	
<b>Barbiturates (BAR)</b>				Other barbiturates such as methohexital, thiamylal, alobarbital, and talbutal will cause a <b>positive screen</b>	Ibuprofen, naproxyn, and phenytoin may cause a <b>false positive screen</b> .
<b>Butalbital</b> Fiorinal®, Fioricet®, Asocomp®	Barbiturates	Butalbital	1 to 5	Short duration of action that is typically combined with acetaminophen, caffeine, and codeine.	
<b>Phenobarbital</b> Luminal®	Barbiturates	Phenobarbital	1 to 30	Utilized as a sedative and anticonvulsant.	
<b>Secobarbital</b> Seconal®	Barbiturates	Secobarbital	1 to 3	Short duration of action used as a sedative/hypnotic.	
<b>Benzodiazepines (BZO)</b>				Other benzodiazepines such as flurazepam, prazepam, medazepam, clorazepate will cause a <b>positive screen</b> .	Oxaprozin, EFV, and sertraline are known to cause a <b>false positive screen</b> .
<b>Alprazolam</b> Xanax®	Benzodiazepines	Alprazolam/Alpha-hydroxylalprazolam	2 to 4	Widely used.	
<b>Chlordiazepoxide</b> Librium®	Benzodiazepines	Nordiazepam/Oxazepam	1 to 10	Metabolized to nordiazepam and oxazepam.	
<b>Clonazepam</b> Klonopin®	See notes	7-aminoclonazepam	2 to 4	Specimens exposed to sunlight and heat can cause degradation of this drug.	<b>False negative</b> , typically not detected by preliminary screens.
<b>Diazepam</b> Valium®	Benzodiazepines	Nordiazepam/Oxazepam/ Temazepam	1 to 10	Rapidly metabolized to nordiazepam, temazepam, and oxazepam; Due to the rapid metabolism, diazepam may not be detected.	
<b>Lorazepam</b> Ativan®	See Notes	Lorazepam	5 to 10		<b>False negative</b> , typically not detected by preliminary screens.
<b>Oxazepam</b> Serax®	Benzodiazepines	Oxazepam	2 to 7	Oxazepam is prescribed, but also a metabolite of many benzodiazepines.	
<b>Temazepam</b> Restoril®	Benzodiazepines	Temazepam/Oxazepam	1 to 4	Temazepam is prescribed, but also a metabolite of diazepam.	
<b>Cannabinoids</b>					Dronabinol may cause a <b>false positive screen</b> .
<b>Marijuana</b> Sativex®, Marinol®	Cannabinoids	THC-A	Occasional user: 1 to 5; Chronic user: 30 to 45	THC-A is a metabolite of marijuana.	
<b>Cocaine (COC)</b>				Lidocaine and novacaine will not cause a positive screen.	
<b>Cocaine</b> Snow, Blow, Crack	Cocaine	Benzoylcegonine	2 to 3	Benzoylcegonine is a metabolite of cocaine.	
<b>EDDP (MTD)</b>					Quetiapine, diphenhydramine, verapamil, and tapentadol may cause <b>false positives</b> for this screen.
<b>Methadone</b> Dolophine®, Methadose®	Methadone	Methadone/EDDP	1 to 10	Inter-individual metabolism of microsomal enzymes is a known variability.	

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<b>Methamphetamine</b>					
Methamphetamine Desoxyn®, Methedrine®, Vicks® Inhaler	Methamphetamine	Amphetamine/ Methamphetamine	1 to 5	Selegiline® and Benzphetamine® metabolize to methamphetamine.	
<b>MDMA (Ecstasy)</b>				Specific screen for MDMA and metabolites.	Boric acid and ascorbic acid may cause <b>false negative</b> screen results. MBDB, BDB, PMA, and PMMA are known to produce <b>false positive</b> screen results.
Methylenedioxy-methamphetamine (MDMA) Ecstasy, XTC	Amphetamines, Ecstasy	MDMA/MDA	1 to 5	MDMA is a derivative of methamphetamine once used in psychotherapy. MDA is a urinary metabolite of MDMA.	
Methylenedioxy-amphetamine (MDA) Love drug	Amphetamines, Ecstasy	MDA	1 to 5	Minor metabolite of MDMA, but also sold on the street as ecstasy. MDA is a psychotropic amphetamine derivative, which has stimulant and hallucinogenic properties.	
<b>Opiates (OPI)</b>				Screen to detect opiates and semi-synthetic opioids.	Ranitidine, levofloxacin, ofloxacin, enoxacin, gatifloxacin, ciprofloxacin, norfloxacin, naloxone, oxycodone, oxymorphone may cause a <b>false positive</b> .
Codeine Dex-Tuse®, Brontex®, Robitussin AC®	Opiates	Codeine/Morphine/ Hydrocodone/ Hydromorphone	2 to 3	Metabolized to morphine; Metabolism is based upon inter individual variations of genes. May be metabolized to hydrocodone and/or hydromorphone depending on dose and metabolism.	
Hydrocodone Vicodin®, Tussionex®, Lortab®, Lorcat®, Norco®, Maxidone®	Opiates	Hydrocodone/ Hydromorphone	2 to 3	Metabolized by CYP2D6 and CYP3A4. Metabolism is based upon inter individual variation of genes.	
Hydromorphone Dilaudid®, Palladone®	Opiates	Hydromorphone	2 to 3	Hydromorphone is prescribed, but also a metabolite of hydrocodone and morphine.	
Morphine MS Contin®, Duramorph®, Roxanol®, Embeda®	Opiates	Morphine/Hydromorphone	2 to 3	Morphine is prescribed, but also a metabolite of codeine and 6-MAM. Low concentrations may be due to poppy seed ingestion. Hydromorphone is a minor metabolite of morphine.	
<b>Oxycodone (OXY)</b>				Some preliminary screens may be positive for oxycodone and opiates.	
Oxycodone Oxycontin®, Percocet®, Percodan®, Endocet®, Tylox®	Oxycodone	Oxycodone/Oxymorphone	2 to 3	Metabolized by CYP isoenzymes that are subject to inter individual variations. Oxymorphone is a metabolite of oxycodone.	
Oxymorphone Opana®, Numorphan®	Oxycodone	Oxymorphone	2 to 3	Oxymorphone is prescribed, but also a metabolite of oxycodone.	
<b>Phencyclidine (PCP)</b>					Dextromethorphan, venlafaxine, tramadol, and lamotrigine may produce <b>false positive</b> results.
Phencyclidine Angel Dust	PCP	Phencyclidine	1 to 10 days	Abused for hallucinogenic effects.	
<b>Validity Tests</b>					
Creatinine	≥20 mg/dL			Creatinine is important in cellular energy production that is constantly transformed into phosphocreatine. Creatinine is a metabolic waste product of this cycle.	
pH	4.5 - 9			Numerical value expressing acidity or alkalinity of a solution.	
Specific Gravity	≥1.003			Amount of solute in the urine	