

Length of Time Drugs of Abuse Can Be Detected in Urine

Drug	Time
Alcohol	7-12 h
Amphetamine	48 h
Methamphetamine	48 h
Barbiturate	
Short-acting (eg, pentobarbital)	24 h
Long-acting (eg, phenobarbital)	3 wk
Benzodiazepine	
Short-acting (eg, lorazepam)	3 d
Long-acting (eg, diazepam)	30 d
Cocaine metabolites	2-4 d
Marijuana	
Single use	3 d
Moderate use (4 times/wk)	5-7 d
Daily use	10-15 d
Long-term heavy smoker	>30 d
Opioids	
Codeine	48 h
Heroin (morphine)	48 h
Hydromorphone	2-4 d
Methadone	3 d
Morphine	48-72 h
Oxycodone	2-4 d
Propoxyphene	6-48 h
Phencyclidine	8 d

Reference: *Mayo Clin Proc* January 2008; 83(1):66-76

TABLE 3. Summary of Agents Contributing to Positive Results by Immunoassay^a

Substance tested via immunoassay	Potential agents causing false-positive result	Substance tested via immunoassay	Potential agents causing false-positive result
Alcohol ²⁰	Short-chain alcohols (eg, isopropyl alcohol)	Cannabinoids ^{1,8,43-48}	Dronabinol Efavirenz Hemp-containing foods NSAIDs Proton pump inhibitors Tolmetin
Amphetamines ²¹⁻⁴⁰	Amantadine	Cocaine ⁴⁹⁻⁵¹	Coca leaf tea Topical anesthetics containing cocaine
	Benzphetamine		Dextromethorphan
	Bupropion		Diphenhydramine ^e
	Chlorpromazine		Heroin
	Clobenzorex ^b		Opiates (codeine, hydromorphone, hydrocodone, morphine)
	<i>l</i> -Deprenyl ^c		Poppy seeds
	Desipramine		Quinine
	Dextroamphetamine		Quinolones
	Ephedrine		Rifampin
	Fenproporex ^b		Verapamil and metabolites ^e
	Isometheptene	Phencyclidine ^{8,52,64-70}	Dextromethorphan
	Isosuprine		Diphenhydramine ^c
	Labetalol		Doxylamine
	MDMA		Ibuprofen
	Methamphetamine		Imipramine
	<i>l</i> -Methamphetamine (Vick's inhaler) ^d		Ketamine
	Methylphenidate		Meperidine
	Phentermine		Mesoridazine
	Phenylephrine		Thioridazine
	Phenylpropanolamine		Tramadol
Promethazine	Tricyclic antidepressants ⁷¹⁻⁸¹	Venlafaxine, O-desmethylvenlafaxine	
Pseudoephedrine		Carbamazepine ^f	
Ranitidine		Cyclobenzaprine	
Ritodrine		Cyproheptadine ^f	
Selegiline	Benzodiazepines ^{16,41,42}	Diphenhydramine ^f	
Thioridazine		Hydroxyzine ^f	
Trazodone		Quetiapine	
Trimethobenzamide			
Trimipramine			
Oxaprozin			
Sertraline			

^a MDMA = methylenedioxyamphetamine, NSAID = nonsteroidal anti-inflammatory drug.^b Approved in Mexico. Not approved in the United States.^c Converts to *l*-methamphetamine and *l*-amphetamine.^d Newer immunoassays have corrected the false-positive result for Vick's inhaler.^e Diphenhydramine and verapamil (including metabolites) have been shown to cause positive results in methadone assays only.^f Reports of false-positive results occurred with serum only.