



Urine Drug Screenings & Tests

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West Virginia
Safe & Effective Management of Pain
(SEMP) Guidelines

Urine Drug Screening (UDS)	Urine Drug Testing (UDT)
Immunoassay screen (i.e. Cup)	GC-MS or LC-MS/MS
In-office, point-of-care, or lab-based	Laboratory, highly specific and sensitive
Results within minutes	Results in hours or days
Detects a few legal & illicit medications by structural class	Measures concentrations of all medications, illicit substances, & metabolites
Guidance for preliminary treatment decisions	Definitive identification & analysis
Cross-reactivity common: more false positives	False-positive results are rare
Higher cutoff levels: more false negatives	False-negative results are rare
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Target Drug Test	Cross-Reactant
Cannabinoids	NSAIDs, dronabinol, promethazine, & pantoprazole
Opioids	Poppy seeds, chlorpromazine, rifampin, dextromethorphan, quinolones, diphenhydramine, & quinine
Amphetamines	Methylphenidate, trazodone, bupropion, amantadine, propranolol, labetalol, ranitidine, & menthol
PCP	Ibuprofen, tramadol, chlorpromazine, venlafaxine, thioridazine, meperidine, dextromethorphan, diphenhydramine, & doxylamine
Benzodiazepines	Oxaprozin, sertraline, & some herbals
Alcohol	Asthma inhalers
Methadone	Quetiapine

Opioid	Opioids Expected in Testing Results (Based on Metabolites)
Morphine	Morphine & hydromorphone*
Hydromorphone	Hydromorphone
Hydrocodone	Hydrocodone & hydromorphone
Codeine	Codeine, hydrocodone*, morphine, & hydromorphone
Oxycodone	Oxycodone & oxymorphone
Oxymorphone	Oxymorphone
Fentanyl	Fentanyl
Tramadol	Tramadol
Methadone	Methadone
Heroin	Heroin, morphine, & hydromorphone

*Minor