

Physician's Reference for Urine and Blood
Drug Testing and Interpretation



DETECTIMED® PANEL

Urine (test code 70195)

	Screen	Confirmation
Alcohol	0.02% (w/v)	
Ethanol		0.02% (w/v)
Amphetamines	500 ng/mL	
Amphetamine		50 ng/mL
Methamphetamine		50 ng/mL
MDMA		50 ng/mL
Barbiturates	200 ng/mL	
Butalbital		100 ng/mL
Phenobarbital		100 ng/mL
Benzodiazepines	75 ng/mL	
7-Aminoclonazepam		50 ng/mL
Alpha-hydroxyalprazolam		50 ng/mL
Alprazolam		50 ng/mL
Lorazepam		50 ng/mL
Nordiazepam		50 ng/mL
Oxazepam		50 ng/mL
Temazepam		50 ng/mL
Buprenorphine	5 ng/mL	
Buprenorphine		2 ng/mL
Norbuprenorphine		10 ng/mL
Cannabinoids	20 ng/mL	
THC-COOH		5 ng/mL
Cocaine	150 ng/mL	
Benzoylcegonine		30 ng/mL
Fentanyl	2 ng/mL	
Fentanyl		0.5 ng/mL
Norfentanyl		0.5 ng/mL

	Screen	Confirmation
Methadone	100 ng/mL	
Methadone		100 ng/mL
EDDP		100 ng/mL
Opiates	50 ng/mL	
6-MAM		20 ng/mL
Codeine		50 ng/mL
Hydrocodone		50 ng/mL
Hydromorphone		50 ng/mL
Morphine		50 ng/mL
Oxycodone		50 ng/mL
Oxymorphone		50 ng/mL
Propoxyphene	300 ng/mL	
Norpropoxyphene		100 ng/mL
Soma	0.1 µg/mL	
Carisoprodol		2.5 µg/mL
Meprobamate		2.5 µg/mL
Tramadol	200 ng/mL	
Tramadol		125 ng/mL
Nortramadol		125 ng/mL
Acetaminophen	10 µg/mL	N/A
Specimen Validity		
Creatinine	>5 mg/dL	(normal)
General Oxidants	200 µg/mL	
pH	4.5-9.0	(normal)
Specific Gravity*	1.003-1.020	(normal)

Specimen Requires: 20mL urine Transport: Ambient Temperature
Reported: as little as 72 hours

*Specific gravity is measured only if Creatinine is <5 mg/dL.

DRUGS KNOWN TO YIELD “FALSE POSITIVE” IMMUNOASSAY SCREENING RESULTS

Generic Name	Alternate Names
AMPHETAMINES	
Amantadine	Amantadine
Bupropion	Wellbutrin*/Zyban*
Chloroquine	Aralen*
Chlorpromazine	Thorazine*
Desipramine	Norpramine*
Dextroamphetamine	Dexedrine*
Ephedrine	Ephedra/Ma Huang
Fenfluramine	Fen Phen
Labetalol	Labetalol
Mexiletine	Mexitol*
Procainamide	Procainamide
Phentermine	Adipex
Phenylephrine	Neo-Synephrine*
Propranolol	Inderal*
Pseudoephedrine	Claritin-D*/Sudafed*
Quinacrine	Atabrine/Mepacrine
Rantidine	Zantac*
Selegiline	Deprenyl
Trazadone	Desyrel*
BARBITURATES	
Phenytoin	Dilantin*
Primidone	Mysoline*
BENZODIAZEPINES	
Oxaprozin	Daypro™
Sertraline	Zoloft*

Generic Name	Alternate Names
CANNABINOIDS	
Efavirenz	Sustiva*
Hemp Seed Oil	Cannabis Seed/Hemp Oil
Pantoprazole	Protonix
OPIATES	
Fluroquinolones	Levaquin*
Ofloxacin	Floxin*
Papaverine	Papaverine
Rifampin	Rimactane
OXYCODONE	
Hydrocodone	Vicodin*
Hydromorphone	Dilaudid*
Oxymorphone	Numorphan
Codeine	Codeine

* This is an annotated list.

TRUE POSITIVES FROM ALTERNATIVE SOURCES

Cannabinoids: Dronabinol/Marinol® contains the same active ingredients as marijuana. Testing is not able to distinguish between prescription and illicit use.

Opiates: Poppy seeds contain morphine. Testing is not able to distinguish between poppy seeds and prescription origin.

DETECTION WINDOWS

Substances	Blood	Urine
Acetaminophen	1-10 hours	1-2 days
Amphetamines Amphetamine, Methamphetamine, MDMA	1-5 days	1-5 days
Barbiturates <i>Short-Acting:</i> Pentobarbital, Secobarbital <i>Intermediate-Acting:</i> Amobarbital, Butobarbital, Butalbital <i>Long-Acting:</i> Phenobarbital	1-30 days	1-3 days 1-5 days 1-30 days
Benzodiazepines Chlordiazepoxide (Librium®), Alprazolam (Xanax®), Alpha-hydroxyalprazolam, Diazepam (Valium), Lorazepam (Ativan®), Nordiazepam (Madar), Oxazepam (Serax®), Temazepam (Restoril™), Clonazepam (Klonopin®), 7-Aminoclonazepam	1-6 days	1-10 days

Substances	Blood	Urine
Buprenorphine/ Norbuprenorphine	1-10 days	1-10 days
Cannabinoids (Marijuana) THC, THC-COOH Occasional User: Frequent User:	1-3 days 1-14 days	1-4 days 1-30 days
Cocaine Cocaine, Benzoylecgonine, Cocaethylene	1-8 hours	1-4 days
Ethanol (Alcohol) Ethyl Glucuronide	Eliminate 1 drink/hour N/A	1-24 hours 1-3 days
Fentanyl/Norfentanyl	1-2 days	1-4 days
Gabapentin (Neurontin®)	1-48 hours	1-4 days
Methadone/EDDP	1-10 days	1-10 days
Opiates Codeine, 6-MAM (Heroin marker), Morphine, Hydrocodone, Hydromorphone, Oxycodone, Oxymorphone	1-24 hours	1-4 days

continued

DETECTION WINDOWS *continued*

Substances	Blood	Urine
Phentermine	1-4 days	1-4 days
Pregabalin (Lyrica®)	1-4 days	1-4 days
Propoxyphene/ Norpropoxyphene	1-5 days	1-5 days
Soma		
Carisoprodol	1-10 hours	1-2 days
Meprobamate	1-3 days	1-4 days
Tapentadol (Nucynta™)	N/A	1-2 days
Tramadol/Nortramadol	1-24 hours	1-4 days

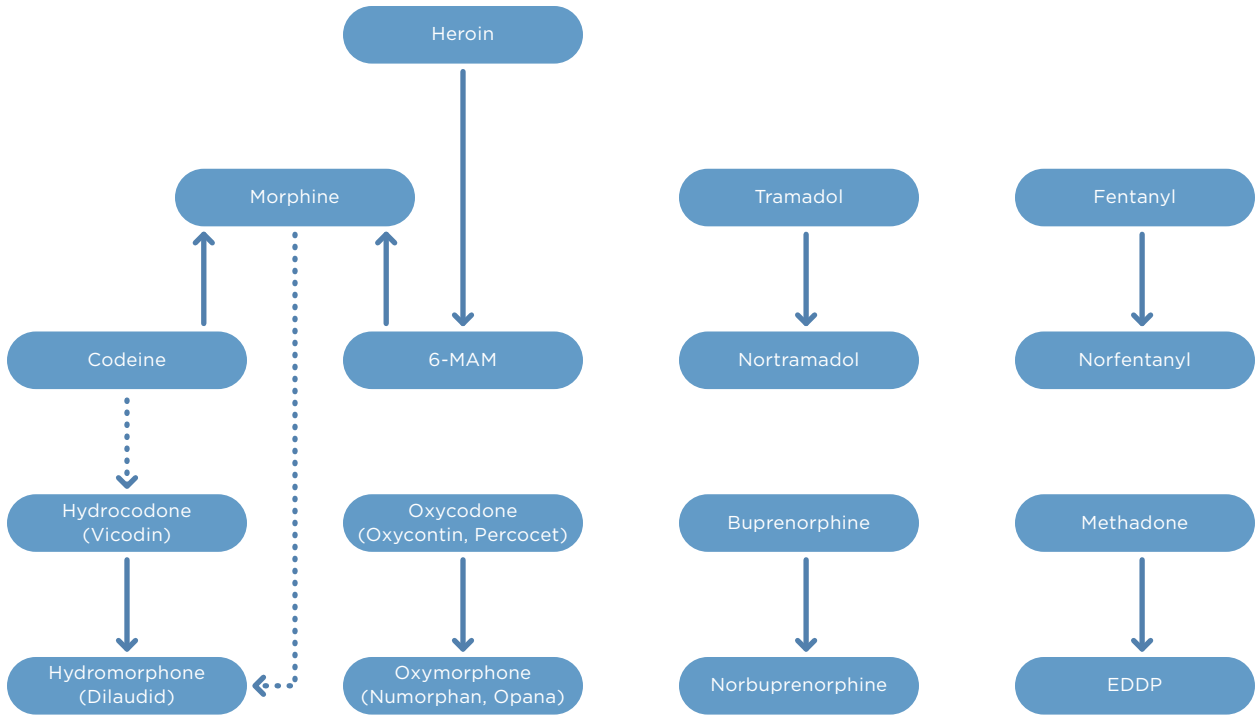
NOTE: Detection windows are approximate values that depend upon the nature of the drug, individual metabolism, dosage, and dosage forms.

COMMON TEST CODES

AIT Test Code	Test Name / Alternate Name
70195	DetectiMed® Panel, Urine / Comprehensive Panel
70630	DetectiMed® Panel, Blood / Comprehensive Panel
40660	Tapentadol, Urine / Nucynta™ (and metabolite)
11720	Duloxetine, Urine
11570	Ethyl Glucuronide, Urine / Ethanol (metabolite)
10680	Phentermine (confirmation), Urine / Adipex-P®, Fastin™, Ionamin®
11300	Pregabalin, Urine / Lyrica®
10050	Amitriptyline, Urine / Nortriptyline
42310	Promethazine (confirmation), Blood / Phenergan
10820	Methylphenidate, Urine / Concerta®, Metadate, Ritalin
44680	Zolpidem, Blood / Ambien®
70260	SelectiMed Panel, Urine / Limited Panel

A complete test catalog is available at www.AITLabs.com/catalog.aspx.

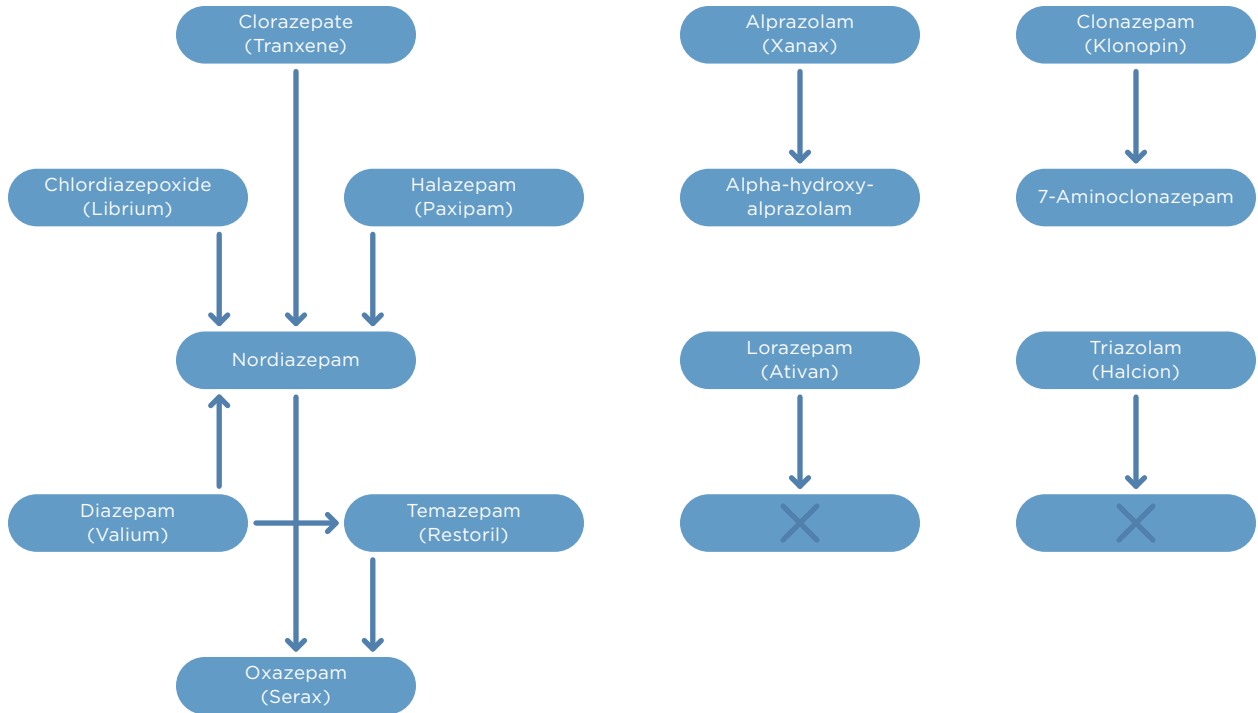
METABOLISM OF OPIOIDS



—> Known metabolites
> Patterns observed in patients receiving chronic opiate therapy



METABOLISM BENZODIAZEPINES



CONTACT INFORMATION

Client Services

The direct line to AIT Laboratories is [800 875-3894](tel:8008753894). Please ask for CLIENT SERVICES, as they can answer the majority of your questions or direct you to the appropriate person or department when further assistance is required. Contact the department about your account between 8 a.m. and 8 p.m. (EST) Monday through Friday. You may also e-mail our Client Services Department at ClientServices@AITLabs.com.

UPS

Phone: 800 823-7459. NOTE: When scheduling a pick-up with a UPS agent, please use this phrase: **"I am scheduling a Next Day Air Return Services Pick-Up."** Please provide a pick-up time for specimens along with your facility's closing time.

Billing

Questions for our Billing Department? Call the direct line and ask to speak with our client relations specialist. You can also e-mail your questions anytime to BillingEdits@AITLabs.com or send a fax to [317 481-8873](tel:3174818873).

Toxicologists

AIT's team of expert toxicologists can help you apply theoretical concepts to real-world scenarios. **Need answers now?** Call us at [800 875-3894](tel:8008753894) or send an e-mail to Toxicologist@AITLabs.com.

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AIT Laboratories

2265 Executive Drive, Indianapolis, Indiana 46241
317 243-3894 • 800 875-3894 • 317 243-2789 fax
AITLABS.com • follow us: @AITLabs.com