

**Warde Medical Laboratory**  
Clinical and Forensic Urine Cutoffs  
April 2021

\*Pain management drug

DRUG	CLINICAL CUTOFFS		FORENSIC CUTOFFS	
	AU SCREEN ng/mL	GC/MS CONFIRM ng/mL	AU SCREEN ng/mL	GC/MS CONFIRM ng/mL
<b>AMPHETAMINES</b>	500		500	
Amphetamine		100		250
Methamphetamine		100		250
Methylenedioxymethamphetamine (MDMA)		100		250
Methylenedioxyamphetamine (MDA)		100		250
Methylenedioxyethylamphetamine (MDEA)		100		250
<b>BARBITURATES</b>	200		200	
Amobarbital		40		200
Butalbital		40		200
Butabarbital		40		200
Pentobarbital		40		200
Phenobarbital		200		1000
Secobarbital		40		200
<b>BENZODIAZEPINES (By: LC/MS/MS)</b>	100		200	
Alprazolam (alpha-hydroxy)		20		100
Clonazepam (7-amino)		40		200
Flurazepam (2-hydroxyethyl)		40		200
Lorazepam		40		200
Nordiazepam		40		200
Oxazepam		40		200
Temazepam		40		200
<b>BUPRENORPHINE* (By: LC/MS/MS)</b>	5		n.a	
Buprenorphine		5		n.a
Norbuprenorphine	(not detected by AU)	5		n.a
Naloxone	(not detected by AU)	5		n.a
<b>COCAINE</b>	150		150	
Benzoylecgonine		30		100
<b>Fentanyl* (LC/MS/MS)</b>	2		n.a	
Fentanyl		1		n.a
Norfentanyl	(not detected by AU)	1		n.a
<b>Meperidine* (LC/MS/MS)</b>	200		n.a	
Meperidine		5		n.a
Normeperidine	(not detected by AU)	5		n.a
<b>METHADONE</b>	150		300	
EDDP		100		200
Methadone		100		200
<b>ETHANOL</b>	20 mg/dL	FID: 20 mg/dL	40 mg/dL	FID: 40 mg/dL

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OPIATES (LC/MS/MS)	300		300	
Morphine		25		2000
Codeine		25		2000
Hydrocodone		25		400
Hydromorphone		25		400
Oxycodone		25		400
Oxymorphone		25		400
PHENCYCLIDINE (PCP)	25		25	
PCP		5		25
PROPOXYPHENE	300		300	
Norpropoxyphene		60		300
THC (CANNABIS)	25		50	
11-nor-9-carboxy-THC		3		15
Tramadol* (LC/MS/MS)	200		n.a	
Tramadol		5		n.a
O-desmethyl-Tramadol	(not detected by AU)	5		n.a
<b>Other Tests:</b>				
6-Acetylmorphine (by: GC/MS)	2	2	10	10
Cotinine (by: LC/MS/MS)	500	5.0	500	5.0
Ethyl Glucuronide (by: LC/MS/MS)	500	500		