

Warde Medical Laboratory
 Clinical and Forensic Urine Cutoffs
 August 2016

*Pain management drug	CLINICAL CUTOFFS		FORENSIC CUTOFFS	
DRUG	AU SCREEN ng/mL	GC/MS CONFIRM ng/mL	AU SCREEN ng/mL	GC/MS CONFIRM ng/mL
AMPHETAMINES	500		500	
Amphetamine		100		250
Methamphetamine		100		250
Methylenedioxyamphetamine (MDMA)		100		250
Methylenedioxyamphetamine (MDA)		100		250
Methylenedioxyethylamphetamine (MDEA)		100		250
BARBITURATES	200		200	
Amobarbital		40		200
Butalbital		40		200
Butabarbital		40		200
Pentobarbital		40		200
Phenobarbital		200		1000
Secobarbital		40		200
BENZODIAZEPINES (By: LC/MS/MS)	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
BUPRENORPHINE* (By: LC/MS/MS)	5		n.a	
Buprenorphine		5		n.a
Norbuprenorphine	(not detected by AU)	5		n.a
Naloxone	(not detected by AU)	5		n.a
COCAINE	150		150	
Benzoylecgonine		30		100
Fentanyl* (LC/MS/MS)	2		n.a	
Fentanyl		1		n.a
Norfentanyl	(not detected by AU)	1		n.a
Meperidine* (LC/MS/MS)	200		n.a	
Meperidine		5		n.a
Normeperidine	(not detected by AU)	5		n.a
METHADONE	150		300	
EDDP		100		200
Methadone		100		200
ETHANOL	20 mg/dL	FID: 20 mg/dL	40 mg/dL	FID: 40 mg/dL

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OPIATES (LC/MS/MS)	300		500	
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

Other Tests:

6-Acetylmorphine (by: GC/MS)	10	2	10	10
Cotinine (by: LC/MS/MS)	500	5.0	500	5.0
Ethyl Glucuronide (by: LC/MS/MS)	500	500	500	500