Drug monitoring
Metabolite chart

Quest Diagnostics®

Drug/Metabolite	Presumptive cutoff (ng/mL)	Definitive cutoff (ng/mL)	Period of detection[a]
Alcohol metabolites			
Ethyl glucuronide (EtG)	500	500	up to 80 hours
Ethyl sulfate (EtS)	500	100	
Amphetamines			
Amphetamine	500	250	1–3 days
Methamphetamine	500	250	
Amphetamines with Reflex Methamphetamine d/l Isomers			
Amphetamine	500	250	1–3 days
Methamphetamine	500	250	
d-Methamphetamine	500		
l-Methamphetamine	500		
Antidepressants			
Amitriptyline	10	10	1–3 days
Amoxapine	10	10	
Citalopram/escitalopram	10	10	
Desmethylcitalopram	10	10	
Clomipramine	10	10	
Desmethylclomipramine	10	10	
Desipramine	10	10	
Doxepin	10	10	
Desmethyldoxepin	10	10	
Duloxetine	10	10	
Fluoxetine	10	10	
Norfluoxetine	10	10	
Hydroxybupropion	10	10	
Imipramine	10	10	
Maprotiline	10	10	
Mirtazapine	10	10	
Nortriptyline	10	10	
Paroxetine	10	10	
Protriptyline	10	10	
Sertraline	10	10	
Norsertraline	50	50	
Trazodone	10	10	
1-(3-Chlorophenyl) piperazine	10	10	
Trimipramine	10	10	
Venlafaxine	10	10	
O-desmethylvenlafaxine	10	10	
Vilazodone	10	10	
Vortioxetine	10	10	
Antipsychotics			
Aripiprazole	2	2	1–3 days
Dehydroxyaripiprazole	2	10	

Drug/Metabolite	Presumptive cutoff (ng/mL)	Definitive cutoff (ng/mL)	Period of detection[a]
Antipsychotics Cont.			
Brexpiprazole	5	5	1–3 days
Cariprazine	5	5	
Chlorpromazine	10	10	
7OH-chlorpromazine	10	10	
Clozapine	25	25	
Norclozapine	25	25	
Fluphenazine	5	5	
7OH-fluphenazine	5	5	
Haloperidol	1	1	
Loxapine	5	5	
8-hydroxyloxapine	5	5	
Lurasidone	5	5	
Mesoridazine	10	10	
Molindone	5	5	
Olanzapine	2.5	2.5	
Desmethylolanzapine	2.5	2.5	
Quetiapine	10	10	
Norquetiapine	10	10	
Risperidone	5	5	
OH-risperidone	5	5	
Thioridazine	50	50	
Thiothixene	5	5	
Trifluoperazine	5	5	
Ziprasidone	5	5	
Barbiturates			
Amobarbital	300	100	1–3 days short-acting; >3 long-acting
Butalbital	300	100	
Pentobarbital	300	100	
Phenobarbital	300	100	
Secobarbital	300	100	
Benzodiazepines			
Alpha-hydroxyalprazolam	100	25	1–3 days short-acting; >3 long-acting
Alpha-hydroxymidazolam	100	50	
Alpha-hydroxytriazolam	100	50	
Aminoclonazepam	100	25	
Hydroxyethylflurazepam	100	50	
Lorazepam	100	50	
Nordiazepam	100	50	
Oxazepam	100	50	
Temazepam	100	50	
Buprenorphine with Naloxone			
Buprenorphine	5	2	1–3 days; injectable for subcutaneous use up to 12 months
Norbuprenorphine	5	2	
Naloxone	5	2	

[a] Depends upon drug usage patterns, drug/drug metabolite elimination, and test cutoff.

Drug monitoring
Metabolite chart

Drug/Metabolite	Presumptive cutoff (ng/mL)	Definitive cutoff (ng/mL)	Period of detection[a]
Carisoprodol metabolite			
Meprobamate		1000	1–3 days
Cocaine metabolite			
Benzoylecgonine	150	100	1–3 days
Eszopiclone			
Eszopiclone		5	1–3 days
Fentanyl			
Fentanyl	0.5	0.5	1–3 days; >20 days chronic use
Norfentanyl	0.5	0.5	
Gabapentin			
Gabapentin		1000	1–3 days
Heroin metabolite			
6-Acetylmorphine	10	10	1 day
Ketamine			
Ketamine		50	1–2 days
Marijuana metabolite			
Marijuana metabolite	20	5	1–3 days casual use; >3 days chronic use
MDMA/MDA			
MDMA	500	200	1–2 days
MDA	500	200	
Meperidine			
Meperidine		100	1–3 days
Normeperidine		100	
Methadone metabolite			
Methadone	100	100	1–3 days
EDDP	100	100	
Methylphenidate			
Ritalinic Acid		100	1–3 days
Mitragynine			
Mitragynine	50	2	1–3 days

Drug/Metabolite	Presumptive cutoff (ng/mL)	Definitive cutoff (ng/mL)	Period of detection[a]
Naltrexone			
Naltrexone		5	1–3 days
6-beta-naltrexol		5	
Opiates[b]			
Codeine	100	50	1–3 days
Morphine	100	50	
Hydrocodone	100	50	
Hydromorphone	100	50	
Norhydrocodone	100	50	
Oxycodone			
Noroxycodone	100	50	1–3 days
Oxycodone	100	50	
Oxymorphone	100	50	
Phencyclidine			
Phencyclidine	25	25	1–3 days
Phentermine			
Phentermine		<250	1–3 days
Phosphatidylethanol (PEth), Blood			
PEth 16:0/18:1 (POPEth)		<20	2–4 weeks[c]
PEth 16:0/18:2 (PLPEth)		<20	
Pregabalin			
Pregabalin		1000	1–3 days
Tapentadol			
Tapentadol		50	1–3 days
Nortapentadol		50	
Tramadol			
Tramadol		100	1–3 days
Desmethyltramadol		100	
Tricyclic antidepressants			
Amitriptyline		100	1–3 days
Nortriptyline		100	
Zolpidem			
Zolpidem		5	1–3 days
Zolpidem metabolite		5	

[a] Depends upon drug usage patterns, drug/drug metabolite elimination, and test cutoff.
[b] Expanded Opiates includes oxycodone.
[c] Detection time in blood.

Connect with our team at **1.877.40.RXTOX (1.877.407.9869)** | Monday-Friday, 8:00 AM–10:00 PM ET

QuestDiagnostics.com

Quest®, Quest Diagnostics®, any associated logos, and all associated Quest Diagnostics registered or unregistered trademarks are the property of Quest Diagnostics. All third-party marks—® and ™—are the property of their respective owners. © 2026 Quest Diagnostics Incorporated. All rights reserved. MI15239 7/2026