

## CUTOFFS FOR BENCHMARK UDT™ - LC/MS/MS

Analyte	Cutoff, ng/mL
6-Acetylmorphine	5
7-Aminoclonazepam	50
Alprazolam	50
a-hydroxy-Alprazolam	50
Amitriptyline	50
Amphetamine	50
Benzoylcegonine	50
Buprenorphine	5
Butalbital	200
Carisoprodol	100
Citalopram	50
Codeine	50
Cotinine	100
Cyclobenzaprine	50
Desipramine	50
Dextromethorphan	50
Diazepam	50
Diphenhydramine	50
Duloxetine	50
EDDP	100
Fentanyl	2
Fluoxetine	100
Gabapentin	500
Hydrocodone	50
Hydromorphone	50
Hydroxy-Bupropion	10
Imipramine	50
Ketamine	50
Lorazepam	50
MDMA	50
Meperidine	100
Meprobamate	100
Methadone	100
Methamphetamine	50
Meperidine	100

Analyte	Cutoff, ng/mL
Meprobamate	100
Morphine	50
Naloxone	10
Naltrexone	50
Norbuprenorphine	10
Nordiazepam	50
Norfentanyl	10
Norhydrocodone	50
Normeperidine	100
Noroxycodone	50
Nortriptyline	50
Norfluoxetine	100
Oxazepam	50
Oxycodone	50
Oxymorphone	50
Paroxetine	100
Phencyclidine	10
Phenobarbital	200
Phentermine	50
Pregabalin	500
Ritalinic Acid	50
Secobarbital	200
Sertraline (Zoloft)	5
Tapentadol	100
Temazepam	50
THC-COOH	10
Tramadol	100
O-desmethyl-Tramadol	100
Trazadone	25
mCPP (Trazadone metabolite)	25
Venlafaxine	50
O-desmethyl-Venlafaxine	50
Zolpidem	5

Analyte	Cutoff, ng/mL
Ethyl Glucuronide (EtG)	1000
Ethyl Sulfate (EtS)	250
9-Hydroxyrisperidone	5
Aripiprazole	5
Clozapine	5
Dehydroaripiprazole	5
Haloperidol	5
Lurasidone	5
N-desmethyloclozapine	5
Olanzapine	5
Quetiapine	5
Risperidone	5
Ziprasidone	5