



We encourage all our clients to contract an independent Medical Review Officer (MRO) to review all non-negative test results.

**Marvel Laboratories uses the following cut-off levels for drug screening:**

Drug Class	Cut-off Level	Drug Class	Cut-off Level
Amphetamines	500 ng/mL	Methadone	300 ng/mL
Barbiturates	200 ng/mL	Opiates	300 ng/mL
Benzodiazepines	200 ng/mL	Oxycodone	100 ng/mL
Buprenorphine	5 ng/mL	PCP	25 ng/mL
Cocaine	300 ng/mL	Propoxyphene	300 ng/mL
Ecstasy	500 ng/mL	THC	50 ng/mL

**Cut-off levels for confirmation testing:**

Drug Class/Metabolite	Cut-off Level	Drug Class/Metabolite	Cut-off Level
<b>BARBITURATES</b>		<b>OPIATES</b>	
Phenobarbital	200 ng/mL	Buprenorphine	5 ng/mL
Secobarbital	200 ng/mL	Naloxone	10 ng/mL
Pentobarbital	200 ng/mL	Tramadol	50 ng/mL
Butalbital	200 ng/mL	Tapentadol	50 ng/mL
<b>BENZODIAZEPINES</b>		Propoxyphene	50 ng/mL
Temazepam	50 ng/mL	Normeperidine	50 ng/mL
Oxazepam	50 ng/mL	Meperidine	50 ng/mL
Nordiazepam	50 ng/mL	Noroxycodone	50 ng/mL
Lorazepam	50 ng/mL	Oxymorphone	50 ng/mL
Hydroxyalprazolam	50 ng/mL	Oxycodone	50 ng/mL
7-Aminoclonazepam	50 ng/mL	Norhydrocodone	50 ng/mL
Clonazepam	40 ng/mL	Hydromorphone	50 ng/mL
Cyclobenzaprine	40 ng/mL	Hydrocodone	50 ng/mL
Diazepam	40 ng/mL	Fentanyl	10 ng/mL
<b>ILLICITS</b>		Norfentanyl	10 ng/mL
Phencyclidine (PCP)	10 ng/ml	EDDP	50 ng/mL
MDMA	100 ng/ml	Methadone	50 ng/mL
6-Acetylmorphine	50 ng/ml	Morphine	50 ng/mL
THC	25 ng/ml	Codeine	50 ng/mL
MDEA	100 ng/ml	Norbuprenorphine	25 ng/mL
MDA	100 ng/ml	<b>STIMULANTS</b>	
Benzoyllecgonine	50 ng/ml	Amphetamine	100 ng/ml
		Methamphetamine	100 ng/ml
		Ritalinic Acid	100 ng/ml