

## Hair Drug Panels & Cutoff Levels - Limit Of Detection (LOD) Testing

<b>Hair 5-Panel (Standard)</b>	<b><u>Screening</u></b>	<b><u>Confirmation</u></b>	<b><u>Limit Of Detection</u></b>
Amphetamines <i>Methamphetamine &amp; Ecstasy</i>	500pg/mg hair	500pg/mg hair	100pg/mg hair
Cocaine <i>Cocaine, Benzoyllecgonine, Cocaethylene, Norcocaine</i>	500pg/mg hair	500pg/mg hair	100pg/mg hair
Opiates <i>Codeine, Morphine &amp; 6-MAM (Heroin metabolite)</i>	300pg/mg hair	300pg/mg hair	100pg/mg hair
Phencyclidine <i>PCP</i>	300pg/mg hair	300pg/mg hair	100pg/mg hair
Marijuana <i>Carboxy-THC</i>	1pg/mg hair	0.3pg/mg hair	0.5pg/mg hair screen 0.1pg/mg hair confirm

\* pg/mg = picogram per milligram of hair

\* Note that the standard 5-Panel test does not screen for any prescription medications with the exception of Codeine & Morphine

<b>Extended Opiates (Add'l cost)</b>	<b><u>Screening</u></b>	<b><u>Confirmation</u></b>	<b><u>Limit Of Detection</u></b>
Oxycodone <i>Oxycontin, Percodan/Percocet</i>	300pg/mg hair	300pg/mg hair	100pg/mg hair
Hydrocodone <i>Vicodin, Lortab/Lorcet</i>	300pg/mg hair	300pg/mg hair	100pg/mg hair
Hydromorphone <i>Dilaudid</i>	300pg/mg hair	300pg/mg hair	100pg/mg hair

## Hair Dose Response

<b>Hair 5-Panel</b>	<b>Confirm cutoff</b>	<b>Low use (recreational)</b>	<b>Medium use (daily/weekends)</b>	<b>High use (constant)</b>
Amphetamines	500pg/mg hair	500-2500pg	2500-7500pg	7500+pg
Cocaine	500pg/mg hair	500-2000pg	2000-10000pg	10000+pg
Opiates	300pg/mg hair	300-1000pg	2000-8000pg	9000+pg
Phencyclidine	300pg/mg hair	300-500pg	500-1000pg	2000+pg
Marijuana	0.3pg/mg hair	<i>Qualitative - amount does not correlate to usage</i>		

*This data was acquired from various academic studies with admitted drug users and are thus subject to numerous sources of variability (e.g., purity, inadequate self-report, etc.). Please use these graphs as a guide only and not as exact numerical interpretation. This information may be useful to help establish an appropriate type of rehabilitation program or to compare two separate time periods.*