

# Multi-Drug Hair Test

Drug (Identifier)	Calibrator	Cut-off level
Amphetamine (AMP)	D-Amphetamine	500 pg/mg
Cocaine (COC)	Benzoyllecgonine	500 pg/mg
Methamphetamine (MET/mAMP)	D-Methamphetamine	200 pg/mg
Opiate (OPI)	Morphine	200 pg/mg
Oxycodone (OXY)	Oxycodone	200 pg/mg

## AMP - Performance Data

Multi-Drug Hair Test	LC-MS		
	Positive	Negative	Total
Positive	20	5	25
Negative	0	134	134
Total	20	139	159

Positive agreement rate: 100.00% (95% CI:83.16%~100.00%)  
 Negative agreement rate: 96.40% (95% CI:91.81%~98.82%)  
 The total agreement rate: 96.86% (95% CI:92.81%~98.97%)

## COC - Performance Data

Multi-Drug Hair Test	LC-MS		
	Positive	Negative	Total
Positive	50	1	51
Negative	1	50	51
Total	51	139	102

Positive agreement rate: 98.04% (95% CI:89.55%~99.95%)  
 Negative agreement rate: 95.04% (95% CI:89.52%~98.16%)  
 The total agreement rate: 95.93% (95% CI:91.79%~98.35%)

## MET - Performance Data

Multi-Drug Hair Test	LC-MS		
	Positive	Negative	Total
Positive	41	0	41
Negative	0	74	74
Total	41	74	115

Positive agreement rate: 100.00% (95% CI:91.40%~100.00%)  
 Negative agreement rate: 100.00% (95% CI:95.14%~100.00%)  
 The total agreement rate: 100.00% (95% CI:96.84%~100.00%)

## OPI - Performance Data

Multi-Drug Hair Test	LC-MS		
	Positive	Negative	Total
Positive	43	2	45
Negative	0	113	113
Total	43	115	158

Positive agreement rate: 100.00% (95% CI:91.78%~100.00%)  
 Negative agreement rate: 98.26% (95% CI:93.86%~99.79%)  
 The total agreement rate: 98.73% (95% CI:95.50%~99.85%)

## OXY - Performance Data

Multi-Drug Hair Test	LC-MS		
	Positive	Negative	Total
Positive	20	2	22
Negative	1	50	51
Total	21	52	73

Positive agreement rate: 95.24% (95% CI:76.18%~99.88%)  
 Negative agreement rate: 96.15% (95% CI:86.79%~99.53%)  
 The total agreement rate: 95.89% (95% CI:88.46%~99.14%)

## THC - Performance Data

Multi-Drug Hair Test	LC-MS		
	Positive	Negative	Total
Positive	24	6	30
Negative	40	0	40
Total	64	6	70

Positive agreement rate: 80.00% (95% CI:62.69%~90.50%)  
 Negative agreement rate: 100.00% (95% CI:91.94%~100.00%)  
 The total agreement rate: 91.43% (95% CI:82.53%~96.01%)