agathos labs

Analytes and Their Cutoffs

Initial Test Analyte	Initial Test Cutoff	Confirmatory	Confirmatory Test
	Concentration	Test Analyte	Cutoff Concentration
Marijuana metabolites	50 ng/mL	THCA ¹	15 ng/mL
Cocaine metabolites	150 ng/mL	Benzoylecgonine	100 ng/mL
Opiate metabolites	2000 ng/mL	Codeine	2000 ng/mL
Codeine/Morphine ²		Morphine	2000 ng/mL
6-Acetylmorphine	10 ng/mL	6-Acetylmorphine	10 ng/mL
Phencyclidine	25 ng/mL	Phencyclidine	25 ng/mL
Amphetamines ³	500 ng/mL	Amphetamine	250 ng/mL
AMP/MAMP ⁴		Methamphetamine ⁵	250 ng/mL
MDMA ⁶	500 ng/mL	MDMA	250 ng/mL
		MDA^7	250 ng/mL
		MDEA ⁸	250 ng/mL

Effective Date: October 1, 2010

Reference: Federal Register, November 25, 2008 (73 FR 71858), Section 3.4

- 1 Delta-9-tetrahydrocannabinol-9-carboxylic acid (THCA).
- 2 Morphine is the target analyte for codeine/morphine testing.
- 3 Either a single initial test kit or multiple initial test kits may be used provided the single test kit detects each target analyte independently at the specified cutoff.
- 4 Methamphetamine is the target analyte for amphetamine/methamphetamine testing.
- 5 To be reported as positive for methamphetamine, a specimen must also contain amphetamine at a concentration equal to or greater than 100 ng/mL.
- 6 Methylenedioxymethamphetamine (MDMA).
- 7 Methylenedioxyamphetamine (MDA).
- 8 Methylenedioxyethylamphetamine (MDEA).