

(i) A notation shall be made on Copy 1 of the CCF (Step 5a) and on any laboratory internal chain of custody documents, as appropriate, for any fatal or correctable flaw.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001; 71 FR 49384, Aug. 23, 2006; 73 FR 35970, June 25, 2008; 75 FR 59107, Sept. 27, 2010]

**§ 40.85 What drugs do laboratories test for?**

As a laboratory, you must test for the following five drugs or classes of drugs in a DOT drug test. You must not

test “DOT specimens” for any other drugs.

- (a) Marijuana metabolites.
- (b) Cocaine metabolites.
- (c) Amphetamines.
- (d) Opiate metabolites.
- (e) Phencyclidine (PCP).

**§ 40.87 What are the cutoff concentrations for drug tests?**

(a) As a laboratory, you must use the cutoff concentrations displayed in the following table for initial and confirmatory drug tests. All cutoff concentrations are expressed in nanograms per milliliter (ng/mL). The table follows:

Initial test analyte	Initial test cutoff concentration	Confirmatory test analyte	Confirmatory test cutoff concentration
Marijuana metabolites .....	50 ng/mL .....	THCA <sup>1</sup> .....	15 ng/mL.
Cocaine metabolites .....	150 ng/mL .....	Benzoyllecgonine .....	100 ng/mL.
Opiate metabolites			
Codeine/Morphine <sup>2</sup> .....	2000 ng/mL .....	Codeine .....	2000 ng/mL.
		Morphine .....	2000 ng/mL.
6-Acetylmorphine .....	10 ng/mL .....	6-Acetylmorphine .....	10 ng/mL.
Phencyclidine .....	25 ng/mL .....	Phencyclidine .....	25 ng/mL.
Amphetamines <sup>3</sup>			
AMP/MAMP <sup>4</sup> .....	500 ng/mL .....	Amphetamine .....	250 ng/mL.
		Methamphetamine <sup>5</sup> .....	250 ng/mL.
MDMA <sup>6</sup> .....	500 ng/mL .....	MDMA .....	250 ng/mL.
		MDA <sup>7</sup> .....	250 ng/mL.
		MDEA <sup>8</sup> .....	250 ng/mL.

<sup>1</sup> Delta-9-tetrahydrocannabinol-9-carboxylic acid (THCA).  
<sup>2</sup> Morphine is the target analyte for codeine/morphine testing.  
<sup>3</sup> 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.  
<sup>4</sup> Methamphetamine is the target analyte for amphetamine/methamphetamine testing.  
<sup>5</sup> To be reported positive for methamphetamine, a specimen must also contain amphetamine at a concentration equal to or greater than 100 ng/mL.  
<sup>6</sup> Methylenedioxyamphetamine (MDMA).  
<sup>7</sup> Methylenedioxyamphetamine (MDA).  
<sup>8</sup> Methylenedioxyethylamphetamine (MDEA).

(b) On an initial drug test, you must report a result below the cutoff concentration as negative. If the result is at or above the cutoff concentration, you must conduct a confirmation test.

(c) On a confirmation drug test, you must report a result below the cutoff concentration as negative and a result at or above the cutoff concentration as confirmed positive.

(d) You must report quantitative values for morphine or codeine at 15,000 ng/mL or above.

[65 FR 79526, Dec. 19, 2000, as amended at 75 FR 49862, Aug. 16, 2010; 77 FR 26473, May 4, 2012]

**§ 40.89 What is validity testing, and are laboratories required to conduct it?**

(a) Specimen validity testing is the evaluation of the specimen to determine if it is consistent with normal human urine. The purpose of validity testing is to determine whether certain adulterants or foreign substances were added to the urine, if the urine was diluted, or if the specimen was substituted.

(b) As a laboratory, you must conduct validity testing.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001; 73 FR 35970, June 25, 2008]