

## URINE THC

### Specificity<sup>6</sup>

#### Non Interfering Substances

Each of the following compounds when added to urine containing <sup>9</sup>-tetrahydrocannabinol at +/- 25% concentration of the cutoff do not yield a false response relative to the 50 ng/mL cutoff:

Compound	Concentration
Acetone	1.0 g/dL
Ascorbic acid	1.5 g/dL
Bilirubin	2.0 mg/dL
Creatinine	0.5 g/dL
Ethanol	1.0 g/dL
Gamma Globulin	0.5 g/dL
Glucose	2.0 g/dL
Hemoglobin	115 mg/dL
Human serum albumin	0.5 g/dL
Oxalic Acid	0.05 g/dL
Riboflavin	7.5 mg/dL
Sodium Chloride	1.5 g/dL
Urea	6.0 g/dL

Each of the following compounds was added to drug free urine and gave negative THC results: ‡

Compound	Concentration
Acetaminophen	1000 µg/mL
α-Acetyl-N,N-dinormethadol (dinor LAAM)	25 µg/mL
L-α-Acetylmethadol (LAAM)	25 µg/mL
N-Acetylprocainamide (NAPA)	400 µg/mL
Acetylsalicylic Acid	1000 µg/mL
Amitriptyline	1000 µg/mL
D-Amphetamine	1000 µg/mL
Benzoyllecgonine	1000 µg/mL
Buprenorphine	100 µg/mL
Caffeine	1000 µg/mL
Cimetidine	1000 µg/mL
Clomipramine	2.5 µg/mL
Clonidine	1000 µg/mL
Codeine	500 µg/mL
Cotinine	100 µg/mL
Cyclobenzaprine	28 µg/mL
Desipramine	800 µg/mL
Diphenhydramine	1000 µg/mL
Doxepin	10 µg/mL
2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)	1000 µg/mL
Fluoxetine	500 µg/mL
Glutethimide	500 µg/mL
Ibuprofen	1000 µg/mL

Ketamine	100 µg/mL
Ketorolac Tromethamine	1000 µg/mL
Lormetazepam	1 µg/mL
LSD	10 ng/mL
Meperidine	1000 µg/mL
D-Methamphetamine	2 µg/mL
Methaqualone	1500 µg/mL
Morphine	1000 µg/mL
Naproxen	1000 µg/mL
Nortriptyline	750 µg/mL
Oxazepam	300 µg/mL
Phencyclidine	1000 µg/mL
Phenytoin	1000 µg/mL
Promethazine	1000 µg/mL
Propoxyphene	1000 µg/mL
Ranitidine	900 µg/mL
Scopolamine	500 µg/mL
Secobarbital	1000 µg/mL
Thioridazine	100 µg/mL
Tramadol	100 µg/mL
Tyramine	100 µg/mL
Zidovudine (AZT)	2 mg/mL
Zolpidem	100 µg/mL

Cross-reactivity ‡

The table below gives the compounds this assay is designed to detect and the levels at which the compounds have been found to give a response approximately equivalent to that of the 50 ng/mL (11-nor<sup>9</sup>-THC-9-carboxylic acid) cannabinoids cutoff. Each concentration represents the reactivity level for the stated compound when it is added to a negative urine specimen. If a sample contains more than one compound detected by the assay, lower concentrations than those listed below may combine to produce a rate approximately equivalent to or greater than that of the cutoff calibrator.

<b>Compound</b>	<b>Concentration</b>
8-β-11-Dihydroxy- <sup>9</sup> -THC	58 ng/mL
8-β-11-Hydroxy- <sup>9</sup> -THC	68 ng/mL
11-Hydroxy- <sup>8</sup> -THC	67 ng/mL
11-Hydroxy- <sup>9</sup> -THC	77 ng/mL
9-Carboxy-11-nor- <sup>9</sup> -THC-glucuronide	95 ng/mL