

## URINE PCP

### Specificity<sup>6</sup> Non-Interfering Substances

each of the following compounds when added to urine containing phencyclidine at +/- 25% concentration of the cutoff do not yield a false response relative to the 25 ng/mL cutoff:

<b>Compound</b>	<b>Concentration</b>
Acetone	1.0 g/dL
Ascorbic Acid	1.5 g/dL
Bilirubin	2 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	0.1 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 PCP results: ‡

<b>Compound</b>	<b>Concentration</b>
Acetaminophen	1000 µg/mL
α-Acetyl-N,N-dinormethadol (dinor LAAM)	15 µg/mL
L-α-Acetylmethadol (LAAM)	25 µg/mL
N-Acetylprocainamide (NAPA)	400 µg/mL
Acetylsalicylic Acid	1000 µg/mL
Amitriptyline	90 µg/mL
D-Amphetamine	1000 µg/mL
Benzoylcegonine	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 100 µg/mL
Cotinine	
Cyclobenzaprine	28 µg/mL
Desipramine	800 µg/mL
Diphenhydramine	1000 µg/mL
Doxepin	10 µg/mL
2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine	1000 µg/mL

<b>Compound</b>	<b>Concentration</b>
(EDDP)	
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	25 µg/mL
Methadone	1000 µg/mL
D-Methamphetamine	2 µg/mL
Methaqualone	1500 µg/mL
Morphine	58 µg/mL
Naproxen	1000 µg/mL
Nortriptyline	750 µg/mL
Oxazepam	300 µg/mL
Phenytoin	1000 µg/mL
Promethazine	125 µg/mL
Propoxyphene	1000 µg/mL
Ranitidine	900 µg/mL
Scopolamine	500 µg/mL
Secobarbital	1000 µg/mL
11-nor- <sup>9</sup> -THC-9-COOH	0.2 µg/mL
Thioridazine	15 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 25 ng/mL phencyclidine cutoff levels. 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>
Dextromethorphan	12 µg/mL
Dextrorphan	20 µg/mL
Mesoridazine	28 µg/mL
N,N-Diethyl-1-phenylcyclohexylamine (PCDE)	234 ng/mL
1-(4-Hydroxypiperidino) phenylcyclohexane	237 ng/mL
1-(1-Phenylcyclohexyl) morpholine (PCM)	41 ng/mL
1-(1-Phenylcyclohexyl) pyrrolidine (PCPy)	54 ng/mL
4-Phenyl-4-piperidinocyclohexanol	32 ng/mL
1-[1-(2-Thienyl)-cyclohexyl] morpholine (TCM)	80 ng/mL
1-[1-(2-Thienyl)-cyclohexyl] piperidine (TCP)	24 ng/mL
1-[1-(2-Thienyl)-cyclohexyl] pyrrolidine (TCPy)	50 ng/mL

**Note:** A positive result from an individual taking preparations containing dextromethorphan should be interpreted with caution and confirmed by another method.

#### Analytical Sensitivity

The sensitivity of the PCP method is 5 ng/mL and represents the lowest concentration of PCP that can be distinguished from zero. This sensitivity is defined as the concentration at two standard deviations above 0.0 ng/ml using Drugs of Abuse Calibrator Level A (n=20).

‡ The Dimension Vista® PCP method (REF K5094) and the Dimension® PCP (REF DF94A) method utilize the same reagents under equivalent reaction conditions. Interfering substances and cross-reactivity were tested using Dimension® PCP (REF DF94A) and the results are representative of both methods.