







Compound	ng/mL
Estazolam	2,500
Flunitrazepam	390
(±) Lorazepam	1,562
RS-Lorazepam glucuronide	156
Midazolam	12,500
Nitrazepam	98
Norchlordiazepoxide	195
Nordiazepam	390
Temazepam	98
Triazolam	2,500
<b>BUPRENORPHINE (BUP)</b>	
Buprenorphine	10
Norbuprenorphine	20
Buprenorphine 3-D-glucuronide	15
Norbuprenorphine 3-D-glucuronide	200
<b>COCAINE 300 (COC)</b>	
Benzoyllecgonine	300
Cocaine	780
Cocaehtylene	12,500
Ecgonine	32,000
<b>COCAINE 150 (COC)</b>	
Benzoyllecgonine	150
Cocaine	400
Cocaehtylene	6,250
Ecgonine	12,500
Ecgonine methylester	50,000
<b>MARIJUANA (THC)</b>	
11-nor-Δ <sup>9</sup> -THC-9 COOH	50
Cannabinol	20,000
11-nor-Δ <sup>8</sup> -THC-9 COOH	30
Δ <sup>8</sup> -THC	15,000
Δ <sup>9</sup> -THC	15,000
<b>METHADONE (MTD)</b>	
Methadone	300
Doxylamine	50,000
<b>METHAMPHETAMINE 1,000 (mAMP)</b>	
d-Methamphetamine	1,000
p-Hydroxymethamphetamine	30,000
l-Methamphetamine	8,000
3,4-Methylenedioxyamphetamine (MDMA)	2,000
Mephentermine	50,000
<b>METHAMPHETAMINE 500 (mAMP)</b>	
d-Methamphetamine	500
d-Amphetamine	50,000
d,l-Amphetamine	75,000
Chloroquine	12,500
3,4-Methylenedioxyamphetamine (MDMA)	1,000
p-Hydroxymethamphetamine	15,000
Mephentermine	25,000
(1R,2S)-(-)-Ephedrine	50,000
l-Phenylephrine	100,000
β-Phenylethylamine	75,000
<b>METHYLENEDIOXYMETHAMPHETAMINE (MDMA)</b>	
3,4-Methylenedioxyamphetamine (MDMA)	500
3,4-Methylenedioxyamphetamine (MDA)	3,000
3,4-Methylenedioxyethylamphetamine (MDEA)	300
<b>OPIATE 300 (MOP)</b>	
Morphine	300
Codeine	300
Ethylmorphine	6,250
Hydrocodone	50,000
Hydromorphone	3,125
Levorphanol	1,500
6-Monoacetylmorphine (6-MAM)	400
Morphine 3-β-D-glucuronide	1,000
Norcodeine	6,250
Normorphine	100,000
Oxycodone	30,000
Oxymorphone	100,000
Procaine	15,000
Thebaine	6,250
<b>OPIATE 2,000 (OPI)</b>	
Morphine	2,000
Codeine	2,000
Ethylmorphine	5,000
Hydrocodone	12,500
Hydromorphone	5,000
Levorphanol	75,000
6-Monoacetylmorphine (6-MAM)	5,000

Compound	ng/mL
Morphine 3-β-D-glucuronide	2,000
Norcodeine	12,500
Normorphine	50,000
Oxycodone	25,000
Oxymorphone	25,000
Procaine	150,000
Thebaine	100,000
<b>OXYCODONE (OXY)</b>	
Oxycodone	100
Naloxone	37,500
Naltrexone	37,500
Levorphanol	50,000
Hydrocodone	6,250
Hydromorphone	50,000
Oxymorphone	200
<b>PHENCYCLIDINE (PCP)</b>	
Phencyclidine	25
4-Hydroxyphencyclidine	12,500
<b>PROPOXYPHENE (PPX)</b>	
d-Propoxyphene	300
d-Norpropoxyphene	300
<b>TRICYCLIC ANTIDEPRESSANTS (TCA)</b>	
Nortriptyline	1,000
Nordoxepin	1,000
Trimipramine	3,000
Amitriptyline	1,500
Promazine	1,500
Desipramine	200
Imipramine	400
Clomipramine	12,500
Doxepin	2,000
Maprotiline	2,000
Promethazine	25,000

#### Effect of Urinary Specific Gravity

Fifteen (15) urine samples of normal, high, and low specific gravity ranges (1.000-1.037) were spiked with drugs at 50% below and 50% above cut-off levels respectively. The **One Step Drug Screen Test Card** was tested in duplicate using fifteen drug-free urine and spiked urine samples. The results demonstrate that varying ranges of urinary specific gravity do not affect the test results.

#### Effect of Urinary pH

The pH of an aliquoted negative urine pool was adjusted to a pH range of 5 to 9 in 1 pH unit increments and spiked with drugs at 50% below and 50% above cut-off levels. The spiked, pH-adjusted urine was tested with the One Step Drug Screen Test Card. The results demonstrate that varying ranges of pH do not interfere with the performance of the test.

#### Cross-Reactivity

A study was conducted to determine the cross-reactivity of the test with compounds in either drug-free urine or drug positive urine containing, Amphetamine, Barbiturates, Benzodiazepines, Buprenorphine, Cocaine, Marijuana, Methadone, Methamphetamine, Methylenedioxyamphetamine, Opiate, Oxycodone, Phencyclidine, Propoxyphene or Tricyclic Antidepressants. The following compounds show no cross-reactivity when tested with the One Step Drug Screen Test Card at a concentration of 100 µg/mL.

#### Non Cross-Reacting Compounds

Acetaminophen	Acetophenetidin
N-Acetylprocainamide	Acetylsalicylic acid
Aminopyrine	Amoxicillin
Ampicillin	l-Ascorbic acid
Apomorphine	Aspartame
Atropine	Benzilic acid
Benzoic acid	Benzphetamine*
Bilirubin	d,l-Brompheniramine
Caffeine	Cannabidol
Chloral hydrate	Chloramphenicol
Chlorothiazide	d,l-Chloropheniramine
Chlorpromazine	Cholesterol
Clonidine	Cortisone
l-Cotinine	Creatinine
Deoxycorticosterone	Dextromethorphan
Diclofenac	Diflunisal
Digoxin	Diphenhydramine
l-ψ-Ephedrine	β-Estradiol
Estrone-3-sulfate	Ethyl-p-aminobenzoate
l (-)-Epinephrine	Erythromycin
Fenoprofen	Furosemide
Gentisic acid	Hemoglobin
Hydralazine	Hydrochlorothiazide
Hydrocortisone	o-Hydroxyhippuric acid
p-Hydroxytyramine	Ibuprofen
Iproniazid	d,l-Isoproterenol
Isosuprine	Ketamine
Ketoprofen	Labetalol
Loperamide	Meperidine
Meprobamate	Methoxyphenamine
Methylphenidate	Nalidixic acid

Naproxen	Niacinamide
Nifedipine	Norethindrone
Noscapine	d,l-Octopamine
Oxalic acid	Oxolinic acid
Oxymetazoline	Papaverine
Penicillin-G	Pentazocine
Perphenazine	Phenelzine
Trans-2-phenylcyclopropylamine	Prednisolone
Prednisone	d,l-Propranolol
d-Propoxyphene	d-Pseudoephedrine
Quinacrine	Quinine
Quindine	Rantidine*
Salicylic acid	Serotonin
Sulfamethazine	Sulindac
Tetracycline	Tetrahydrocortisone 3-acetate
Tetrahydrocortisone 3 β-D-glucuronide	Tetrahydrozoline
Thiamine	Thioridazine
d,l-Tyrosine	Tolbutamide
Triamterene	Trifluoperazine
Trimethoprim	Tryptamine
d,l-Tryptophan	Uric acid
Verapamil	Zomepirac

\*Parent compound only.

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