Multi-Drug Urine Test Dip card Package Insert

Package insert for testing of any combination of the following drugs: Methamphetamine, Cocaine, Morphine, Amphetamine, Oxycodone, Ecstasy, Buprenorphine, Phencyclidine, Secobarbital, Methadone, Marijuana and Oxazepam.

INTENDED USE

Healgen Multi-Drug Urine Test DipCard is competitive binding, lateral flow immunochromatographic assays for qualitative and simultaneous detection of Amphetamine, Oxazepam, Cocaine, Cannabinoids, Methamphetamine Morphine. Oxycodone, Secobarbital. Buprenorphine. Methylenedioxy-methamphetamine, Phencyclidine and Methadone in human urine at the cutoff concentrations of

Drug(Identifier)	Cut-off level
Amphetamine	1000 ng/mL
Oxazepam	300 ng/mL
Cocaine	300 ng/mL
Cannabinoids	50 ng/mL
Methamphetamine	1000 ng/mL
Morphine	2000 ng/mL
Oxycodone	100 ng/mL
Secobarbital	300 ng/mL
Buprenorphine	10 ng/mL
D,L- Methylenedioxy-methamphetamine	500 ng/mL
Phencyclidine	25 ng/mL
Methadone	300 ng/mL

Configuration of the Healgen Multi-Drug Urine Test DipCard can consist of any combination of the above listed drug analytes

The test may yield positive results for the prescription drugs Buprenorphine, Oxazepam, Secobarbital and Oxycodone when taken at or above prescribed doses. It is not intended to distinguish between prescription use or abuse of these drugs. Clinical consideration and professional judgment should be exercised with any drug of abuse test result, particularly when the preliminary result is positive. The test provides only preliminary test results. A more specific alternative chemical method must be used in order to obtain a confirmed analytical result. GC/MS or LC/MS is the preferred confirmatory method.

For in vitro diagnostic use only. It is intended for over-the-counter and for prescription use.

SUMMARY

The test is intended for use as the first step in a two step process to provide consumers with information concerning the presence or absence of the above stated drugs in a urine sample. Information regarding confirmatory testing - the second step in the process, along with the materials for shipping a portion of the urine specimen to the laboratory for confirmation testing of a preliminary positive result, the second step in the process, is provided in these instructions.

PRECAUTIONS

- · For in vitro diagnostic use only.
- · Do not use after the expiration date.
- . The Test Cup should remain in the sealed pouch until use.

STORAGE AND STABILITY

Store as packaged in the sealed pouch either at room temperature or refrigerated (2-30°C). The Test DipCard is stable through the expiration date printed on the sealed pouch. The Test DipCard must remain in the sealed pouch until use. DO NOT FREEZE. Do not use beyond the expiration date.

SAMPLE COLLECTION AND PREPARATION

Urine Assay

The urine sample must be collected in a clean and dry container. Urine collected at any time of the day may be used.

MATERIALS

Materials Provided

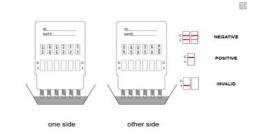
- Test DipCard Package insert
- Materials also included:
- 1. Labeled Vials for shipping "preliminary" sample to the laboratory for confirmation
- Plastic transportation bags
- 3. Mailing boxes
- 4. Personal identification numbers

DIRECTIONS FOR USE

If refrigerated, allow the test device to come to room temperature [15-30°C (59-86°F)] prior to testing.

- 1) Remove the DipCard from the foil wrapper.
- 2) Fill a specimen cup (not provided) with fresh urine. Dip the DipCard into the urine with the arrow end pointing toward the urine. Do not cover the urine over the MAX (maximum) line. You may leave the DipCard in the urine or you may take the DipCard out after a minimum of 15 seconds in the urine and lay the DipCard flatly on a non-absorptive clean surface
- 3) Read results at 5 minutes and do not throw away the urine. Urine used may be needed for confirmation testing. Please see the Results Interpretation and Mailing a Urine Sample sections of this

DO NOT INTERPRET RESULT AFTER 5 MINUTES.



INTERPRETATION OF RESULTS

(Please refer to the illustration above)

NEGATIVE:* Two lines appear. One red line should be in the control region (C), and another apparent red or pink line adjacent should be in the test region (Drug/T). This negative result indicates that the drug concentration is below the detectable level.

*NOTE: The shade of red in the test line region (Drug/T) will vary, but it should be considered negative whenever there is even a faint pink line

POSITIVE: One red line appears in the control region (C). No line appears in the test region (Drug/T). This positive result indicates that the drug concentration is above the detectable level.

INVALID: Control line fails to appear. Insufficient sample volume or not conducting the test as instructed are the most likely reasons for control line failure. Review the procedure and repeat the test using a new test device. If the problem persists, contact us..

A preliminary positive test result does not always mean a person took illegal drugs and a negative test result does not always mean a person did not take illegal drugs. There are a number of factors that influence the reliability of drug tests. Certain drugs of abuse tests are more accurate than others.

IMPORTANT: The result you obtained is called preliminary for a reason. The sample must be tested by laboratory in order to determine if a drug of abuse is actually present. Please refer to the Mailing a Urine Sample section of this labeling.

What Is A False Positive Test?

The definition of a false positive test would be an instance where the Healgen® Multi-Drug Urine Test is positive even though the target drugs are not in the sample. The most common causes of a false positive test are cross reactants. Certain foods and medicines, diet plan drugs and nutritional supplements may cause a false positive test result with this product.

What Is A False Negative Test?

The definition of a false negative test is that the initial drug is present but isn't detected by Healgen® Multi-Drug Urine Test. If the sample is diluted, or the sample is contaminated that may cause a false negative result.

LIMITATIONS

- 1. The Healgen Multi-Drug Urine Test DipCard provides only a qualitative, preliminary analytical result. A secondary analytical method must be used to obtain a confirmed result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method.
- 2. There is a possibility that technical or procedural errors, as well as other interfering substances in the urine specimen may cause incorrect results.
- Substances, such as bleach and/or alum, in urine samples may produce incorrect results regardless of the analytical method used.
- 4. A positive result does not indicate level or intoxication, administration route or concentration in urine.
- 5. A negative result may not necessarily indicate drug-free urine. Negative results can be obtained when drug is present but below the cut-off level of the test.
- 6. The test does not distinguish between drugs of abuse and certain medications.
- 7. A positive result might be obtained from certain foods or food supplements.

QUESTIONS AND ANSWERS

1. What does the Drug of Abuse Urine Test do?

These tests indicate if one or more prescription or illegal drugs are present in urine. The testing is done in two steps. First, you do a quick at-home test. Second, if the test suggests that drugs may be present, you send the sample to a laboratory for additional testing.

What is "cut-off level"?

The cut-off level is the specified concentration of a drug in a urine sample. Above that concentration the test is called positive, and below that concentration it is called negative.

What are drugs of abuse?

Drugs of abuse are illegal or prescription medicines (for example, Oxycodone or Valium) that are taken for a non-medical purpose, including taking the medication for longer than your doctor prescribed it for or for a purpose other than what the doctor prescribed it for.

4 How accurate is the test?

The tests are sensitive to the presence of drugs in urine sample. These tests are not as accurate as lab tests. In some cases, certain foods and drugs may cause false positives as well as false negatives for those who use drug-testing kits.

5 Does a preliminary positive screen test mean that you have found of abuse?

This means that the test has reacted with something in the sample and the sample must be sent to the lab for a more accurate test

6. What should I do, if the lab test confirms a positive result?

If you have received a confirmed positive result, please consult with our staff on a proper course of action. We will help you identify counselors who can help you. It is important that you remain calm and do not react in a negative way to the situation. If you do not believe the test result, please consult with your physician. They will have your background medical history and be able to provide you with detailed information on both the test and the meaning of the result

MAILING A URINE SAMPLE TO THE LABORATORY FOR CONFIRMATION TESTING

- Pour urine from the cup into the Labeled Vial. Ensure that the Labeled Vial is about two thirds (2/3) full with the urine that gave preliminary positive result(s) and that the cap is tightly closed. Only the urine that gave preliminary positive result(s) should be used for confirmation testing.
- Please identify on the label, the drug that gave a preliminary positive result.
- Be sure to write your Cell Phone Number on the mailing box so that the laboratory can send you a message with the confirmed results. The laboratory will also send you a Personal Identification Number.
- Place the Labeled Vial in the plastic bag and seal the plastic bag.
- Place the sealed plastic bag in the mailing box. Close the mailing box and secure it with packing tape. The mailing address for the laboratory is already on the mailing box. Please note that the mailing box isn't pre-paid. You must attach the proper postage to have a carrier service deliver it.
- Place the mailing box in any US Postal Service Office.

ASSISTANCE

If you have any question regarding to the use of this product, please call our Technical Support Number 1-866-982-3818 (9:00 a.m. to 5 p.m. CDT).

QUALITY CONTROL

If you work in a laboratory, you should perform quality control testing and you should read this section.

A procedural control is included in the test. A colored line appearing in the control line region (C) is considered an internal procedural control. It confirms sufficient sample volume, adequate membrane wicking and correct procedural technique.

Control standards are not supplied with this kit. However, it is recommended that positive and negative controls be tested as good laboratory practice to confirm the test procedure and to verify proper test performance. Quality control testing should be performed with each new lot, each new shipment and every thirty days to check storage. Please contact our Technical Support at 1-866-982-3818 for controls that work with the device

PERFORMANCE CHARACTERISTICS

Accuracy

960(eighty of each drug) clinical urine specimens were analyzed by GC-MS and by the Healgen® Multi-Drug Urine Test Dip card. Each test was performed by three operators. Samples were divided by concentration into five categories: drug-free, less than half the cutoff, near cutoff negative, near cutoff positive, and high positive. Results were as follows:

Methamp	hetamine

and the cutoff 50% above concentration) concentration) the cutoff concentration)	Test	Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)		High Positive (greater than 50% above the cutoff concentration)
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Operator A	Positive	0	0	0	11	27
* Negative	Negative	10	19	15	2	0
Operator B	Positive	0	0	0	11	27
	Negative	10	19	15	2	0
Ot C	Positive	0	0	0	11	27
Operator C	Negative	10	19	15	2	0

[%] agreement among positives is 94.4%

Cocain

Cocamic						
Test		Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
Operator A	Positive	0	0	0	15	24
Operator A	Negative	10	17	13	1	0
On senter D	Positive	0	0	0	14	24
Operator B	Negative	10	17	13	2	0
Ot C	Positive	0	0	0	14	24
Operator C	Negative	10	17	13	2	0

[%] agreement among positives is 87.5%

Morphine

Test		Drug-free	Low Negative (Less than	Near Cutoff Negative	Near Cutoff Positive	High Positive (greater than
			half the cutoff concentration)	(Between 50% below the cutoff	(Between the cutoff and	50% above the cutoff
				and the cutoff	50% above	concentration)
				concentration)	the cutoff	
					concentration)	
O	Positive	0	0	0	13	23
Operator A	Negative	10	16	14	4	0
On sent on D	Positive	0	0	0	12	23
Operator B	Negative	10	16	14	5	0
Operator C	Positive	0	0	0	12	23
Operator C	Negative	10	16	14	5	0

[%] agreement among positives is 88.3%

Oxazepam

Т	est	Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
Operator A	Positive	0	0	0	12	24
Operator A	Negative	10	16	15	4	0
O	Positive	0	0	1	12	24
Operator B	Negative	10	16	15	4	0
Operator C	Positive	0	0	0	14	24
	Negative	10	16	15	2	0

[%] agreement among positives is 91.7%

Marijuana

Т	est	Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
O	Positive	0	0	0	13	26
Operator A	Negative	10	16	16	1	0
O	Positive	0	0	0	12	26
Operator B Nega	Negative	10	16	16	2	0
Operator C	Positive	0	0	0	12	26
	Negative	10	16	16	2	0

[%] agreement among positives is 95.8%

% agreement among negatives is 100%

Amphetamin

Amphetan	IIIIC					
Т	est	Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
O	Positive	0	0	0	15	23
Operator A	Negative	10	16	14	2	0
On sent se D	Positive	0	0	0	13	23
Operator B	Negative	10	16	14	4	0
O	Positive	0	0	0	13	23
Operator C	Negative	10	16	14	4	0

[%] agreement among positives is 91.7%

Oxycodone

Oxycodon	C					
Т	est	Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
Operator A	Positive	0	0	0	13	24
Operator A	Negative	10	15	15	3	0
O	Positive	0	0	0	14	24
Operator B	Negative	10	15	15	2	0
Operator C	Positive	0	0	0	13	24
Operator C	Negative	10	15	15	3	0

[%] agreement among positives is 93.3%

Phencyclidine

Т	est	Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
O	Positive	0	0	0	13	24
Operator A	Negative	10	15	15	3	0
On sent on D	Positive	0	0	0	13	24
Operator B Negative	Negative	10	15	15	3	0
Operator C	Positive	0	0	0	12	24
	Negative	10	15	15	4	0

[%] agreement among positives is 91.7%

MDMA

Healgen Test		Drug-free	Low Negative (Less than half the cutoff concentration)	Near Cutoff Negative (Between 50% below the cutoff and the cutoff concentration)	Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
	Positive	0	0	0	14	24
Operator A	Negative	10	15	15	2	0
O	Positive	0	0	0	15	24
Operator B	Negative	10	15	15	1	0
Operator C	Positive	0	0	0	13	24
	Negative	10	15	15	3	0

[%] agreement among positives is 95%

Т	est	Drug-free	Low Negative (Less than half the cutoff (Between 50% below the cutoff and the cutoff concentration)		Near Cutoff Positive (Between the cutoff and 50% above the cutoff concentration)	High Positive (greater than 50% above the cutoff concentration)
0	Positive	0	0	0	14	24
Operator A	Negative	10	15	15	2	0
O	Positive	0	0	0	14	24
Operator B	Negative	10	15	15	2	0
0	Positive	0	0	0	14	24
Operator C	Negative	10	15	15	2	0

[%] agreement among positives is 95%

Buprenorphine

			Low Negative (Less than	Near Cutoff Negative	Near Cutoff Positive	High Positive (greater than
Test			half the cutoff concentration)	(Between 50% below the cutoff and the cutoff	(Between the cutoff and 50% above	50% above the cutoff concentration)
				concentration)	the cutoff	concentration)
					concentration)	
Operator A	Positive	0	0	0	13	24
Operator A	Negative	10	15	15	3	0
Operator B	Positive	0	0	0	14	24
Negative Negative		10	15	15	2	0
O	Positive	0	0	0	13	24
Operator C	Negative	10	15	15	3	0

[%] agreement among positives is 93.3%

Methadone

Test		Drug-free	Low Negative	Near Cutoff	Near Cutoff	High Positive
			(Less than	Negative	Positive	(greater than
			half the cutoff	(Between 50%	(Between the	50% above the
			concentration)	below the cutoff	cutoff and	cutoff
				and the cutoff	50% above	concentration)
				concentration)	the cutoff	
					concentration)	
Operator A	Positive	0	0	0	14	24
Operator A	Negative	10	15	15	2	0
Operator B	Positive	0	0	0	14	24
Орегатог в	Negative		15	15	2	0
Operator C	Positive	0	0	0	14	24
Operator C	Negative	10	15	15	2	0

[%] agreement among positives is 95%

ANALYTICAL SPECIFICITY

The following table lists compounds that are positively detected in urine by the Healgen® Multi-Drug Urine Test Dip card.

Drug	Concentration	% Cross-Reactivity
	(ng/ml)	
METHAMPHETAMINE		
D-Methamphetamine	1,000	100%
(+/-)	20,000	5%
3,4-Methylenedioxy-n-ethylamphetamine(MDEA)		
Procaine (Novocaine)	60,000	2%
Trimethobenzamide	20,000	5%
Methamphetamine	1000	100%
Ranitidine (Zantac)	50,000	2%
(+/-) 3,4-Methylenedioxymethamphetamine	2500	40%
(MDMA)		
Chloroquine	50,000	2%
Ephedrine	100,000	1%
Fenfluramine	50,000	2%
p-Hydroxymethamphetamine	10,000	10%
COCAINE		
Benzoylecogonine	300	100%
Cocaethylene	300	100%
CocaineHCl	300	100%
MARIJUANA		

[%] agreement among negatives is 100%

Secobarbital

[%] agreement among negatives is 100%

[%] agreement among negatives is 100%

[%] agreement among negatives is 100%

Il-noc-A9-1HC-9-COOH			1
II-nor-delta-9-TIIC-carboxyglucuronide	11-nor-∆9-THC-9-COOH	50	100%
II-Nor-9-carboxy-ed-tal9-THC			
II-Nor-93-Fetrahydrocannabinol 500 100% 11-Nor-93-Fetrahydrocannabinol 500 107% 11-Nor-93-Fetrahydrocannabinol 500 107% 11-Nor-93-Fetrahydrocannabinol 500 107% Morphine 2500 80% 60%			
II-Hydroxy_09-Tetrahydrocannabinol 5.000 1% II-Nor-A8-Tetrahydrocannabinol 50 100% A8-THC-COOH 50,000 0.1% Morphine	(-)-11-nor-9-carboxy-delta9-THC	75	67%
II-Nor-As-Tetrahydrocannabinol 50 100%	11-Nor-Δ9-Tetrahydrocannabinol	50	100%
II-Nor-As-Tetrahydrocannabinol 50 100%	11-Hydroxy-A9-Tetrahydrocannabinol	5 000	1%
ASETHC-COOH			
Morphine			
Of-Acetylmorphine 2,500 80% Codeine 1,000 50% EthylMorphine 250 800% Heroin 5,000 40% Hydrocodone 5,000 50% Morphine Hydrochloride 2,000 100% Oxycodone 75,000 3% Thebaine 13,000 15% Oxazepam 1 1500 Alprazolam 200 150% Bromazepam 1,560 19% Clobazam 100 300% Clobazam 100 300% Clorazepate Dipotassium 200 150% Desalkylflurazepam 400 75% Desalkylflurazepam 400 75% Diazepam 2,500 150% Estazolam 2,500 12% Fluntrazepam 400 75% Diazepam 1,560 19% Estazolam 1,260 24% (±) Lorazepam 1,560 19% <		30,000	0.170
Code		2.500	000/
EthylMorphine			
Heroin			
Hydrocodone	EthylMorphine	250	800%
Hydrocodone	Heroin	5,000	40%
Hydrocodone	Hydromorphone	2.500	80%
Morphine Hydrochloride			
Oxycodone			
Dazepam			
Alprazolam			
Alprazolam	Thebaine	13,000	15%
Alprazolam			
Bromazepam	Oxazepam		
Bromazepam		200	150%
Chlordiazepoxide HCL			
Clobazam			
Clonazepam			
Clorazepate Dipotassium			
Desalkylflurazepam			
Desalkylflurazepam			
Desalkylflurazepam		1,560	
Diazepam		400	75%
Estazolam		200	150%
Flunitrazepam			
a-Hydroxyalprazolam 1260 24% (±) Lorazepam 1,560 19% RS-Lorazepam glucuronide 160 188% Midazolam 12,500 2% Nitrazepam 100 300% Norchlordiazepoxide 200 155% Nordiazepam 400 75% Oxazepam 300 100% Temazepam 100 300% Triazolam 2,500 12% AMPHETANINE Incompletamine 1,000 100% D-Amphetamine (Amphetamine Sulfate) 1,000 100% D.L - Amphetamine (Amphetamine Sulfate) 1,000 100% Phentermine 1,250 80% (+/-)-4-Hydroxyamphetamine (MDA) 1,500 67% d-Methamphetamine 20,000 5% (+/-)-Methylenedioxyamphetamine (MDA) 1,500 67% d-Methamphetamine >100000 <1%			
(±) Lorazepam 1,560 19% RS-Lorazepam glucuronide 160 188% Midazolam 12,500 2% Nitrazepam 100 300% Nordiazepami 100 350% Nordiazepam 400 75% Oxazepam 300 100% Temazepam 100 300% Triazolam 2,500 12% AMPHETANINE — — D-Amphetamine 1,000 100% D.L Amphetamine (Amphetamine Sulfate) 1,000 100% Phentermine 1,250 80% (+/-)-4-Hydroxyamphetamine HCL 600 167% L-Amphetamine 20,000 5% (+/-)-Methylenedioxyamphetamine(MDA) 1,500 67% d-Methamphetamine >100000 <1%			
RS-Lorazepam glucuronide			
Midazolam			
Nitrazepam	RS-Lorazepam glucuronide	160	188%
Nordiazepam	Midazolam	12,500	2%
Nordiazepam	Nitrazepam	100	300%
Nordiazepam			
Oxazepam 300 100% Temazepam 100 300% Triazolam 2,500 12% AMPHETANINE 1,000 100% D-Amphetamine 1,000 100% D.L Amphetamine (Amphetamine Sulfate) 1,000 100% Phentermine 1,250 80% (+/-)-4-Hydroxyamphetamine HCL 600 167% L-Amphetamine 20,000 5% (+/-)-Methylenedioxyamphetamine(MDA) 1,500 67% d-Methamphetamine >100000 <1%			
Temazepam			
Triazolam			
AMPHETANINE			
D-Amphetamine 1,000 100% D,L - Amphetamine (Amphetamine Sulfate) 1,000 100% Phentermine 1,250 80% (+/-)-4-Hydroxyamphetamine HCL 600 167% L-Amphetamine 20,000 5% (+/-)-Methylenedioxyamphetamine(MDA) 1,500 67% d-Methamphetamine >100000 <1%	Triazolam	2,500	12%
D-Amphetamine 1,000 100% D,L - Amphetamine (Amphetamine Sulfate) 1,000 100% Phentermine 1,250 80% (+/-)-4-Hydroxyamphetamine HCL 600 167% L-Amphetamine 20,000 5% (+/-)-Methylenedioxyamphetamine(MDA) 1,500 67% d-Methamphetamine >100000 <1%			
D.L - Amphetamine (Amphetamine Sulfate) 1,000 100%	AMPHETANINE		
D.L - Amphetamine (Amphetamine Sulfate) 1,000 100%	D-Amphetamine	1.000	100%
Phentermine			
(+/-)4-Hydroxyamphetamine HCL 600 167% L-Amphetamine 20,000 5% (+/-)-Methylenedioxyamphetamine(MDA) 1,500 67% d-Methamphetamine >1000000 <1%			
L-Amphetamine			
(+/-)-Methylenedioxyamphetamine(MDA) 1,500 67% d-Methamphetamine >100000 <1% 11% 1-Methamphetamine >100000 <1% 11% 1-Methamphetamine >100000 <1% 11% 1-Methamphetamine >100000 <1% 11% 1-Methamphetamine (MDE) >100000 <1% 11% 3,4-Methylenedioxyethylamphetamine (MDE) >100000 <1% 11% 3,4-methylenedioxy-methamphetamine (MDMA) >100000 <1% 11% 1100000 <1% 1100000 <1% 1100			
d-Methamphetamine >100000 <1%	L-Amphetamine		
1-Methamphetamine			
1-Methamphetamine			
ephedrine		>100000	<1%
3,4-Methylenedioxyethylamphetamine (MDE) >100000 <1% 3,4-methylenedioxy-methamphetamine (MDMA) >100000 <1% OXYCODONE Oxycodone 100 100% Codeine 50,000 0,2% Ethyl Morphine 75,000 0,1% Thebaine 50,000 0,2% Oxymorphone 750 13% Dihydrocodeine 12500 0,8% Hydromorphone >100000 <0,1% Hydrocodone >100000 <0,1% Hydrocodone >100000 <0,1% Acetylmorphine >100000 <0,1% Acetylmorphine >100000 <0,1% Ethylmorphine >100000 <0,1% Ethylmorphine >100000 <0,1% Ethylmorphine >100000 <0,1% SECOBARBITAL Secobarbital 300 100% Alphenal 750 40% Aprobarbital 250 120%			
3,4-methylenedioxy-methamphetamine (MDMA) >100000 <1%			
OXYCODONE 100 100% Oxycodone 100 100% Codeine 50,000 0.2% Ethyl Morphine 75,000 0.1% Thebaine 50,000 0.2% Oxymorphone 750 13% Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%	1 4-Methylenedioxyethylamphetamine (MINE)		11/0
Oxycodone 100 100% Codeine 50,000 0.2% Ethyl Morphine 75,000 0.1% Thebaine 50,000 0.2% Oxymorphone 750 13% Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%			<1%
Oxycodone 100 100% Codeine 50,000 0.2% Ethyl Morphine 75,000 0.1% Thebaine 50,000 0.2% Oxymorphone 750 13% Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%			<1%
Codeine 50,000 0.2% Ethyl Morphine 75,000 0.1% Thebaine 50,000 0.2% Oxymorphone 750 13% Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA)		<1%
Ethyl Morphine 75,000 0.1% Thebaine 50,000 0.2% Oxymorphone 750 13% Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE	>100000	
Thebaine	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone	>100000	100%
Thebaine	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone	>100000	100%
Oxymorphone 750 13% Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine	>100000 100 50,000	100% 0.2%
Dihydrocodeine 12500 0.8% Hydromorphone >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine	>100000 100 50,000 75,000	100% 0.2% 0.1%
Hydromorphone >100000 <0.1% Hydrocodone >100000 <0.1% Morphine >100000 <0.1% Acetylmorphine >100000 <0.1% Buprenorphine >100000 <0.1% Ethylmorphine >100000 <0.1% Ethylmorphine >100000 <0.1% Ethylmorphine >100000 <0.1% SECOBARBITAL Secobarbital 300 100% Amobarbital 300 100% Alphenal 750 40% Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine	>100000 100 50,000 75,000 50,000	100% 0.2% 0.1% 0.2%
Hydrocodone	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone	>100000 100 50,000 75,000 50,000 750	100% 0.2% 0.1% 0.2% 13%
Morphine >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine	>100000 100 50,000 75,000 50,000 750 12500	100% 0.2% 0.1% 0.2% 13% 0.8%
Acetylmorphine	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone	>100000 100 50,000 75,000 50,000 750 12500 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1%
Buprenorphine >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1%
Buprenorphine >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1%
Ethylmorphine >100000 <0.1%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine	>100000 100 50,000 75,000 75,000 750 12500 >100000 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1%
SECOBARBITAL 300 100% Secobarbital 300 100% Amobarbital 300 100% Alphenal 750 40% Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine Acetylmorphine	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1%
Secobarbital 300 100% Amobarbital 300 100% Alphenal 750 40% Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine Acetylmorphine Buprenorphine Buprenorphine	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000 >100000 >100000 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1%
Amobarbital 300 100% Alphenal 750 40% Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine Acetylmorphine Buprenorphine Ethylmorphine Ethylmorphine	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000 >100000 >100000 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1%
Alphenal 750 40% Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine Acetylmorphine Buprenorphine Ethylmorphine Buprenorphine Ethylmorphine SECOBARBITAL	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000 >100000 >100000 >100000 >100000 >100000	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1%
Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine Acetylmorphine Buprenorphine Ethylmorphine SECOBARBITAL Secobarbital	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000 >100000 >100000 >100000 >100000 300	100% 0.2% 0.1% 0.2% 13% 0.8% <0.11% <0.11% <0.11% <0.11% <0.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <1.11% <
Aprobarbital 250 120%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydrocodone Morphine Acetylmorphine Buprenorphine Ethylmorphine SECOBARBITAL Secobarbital Amobarbital	>100000 100 50,000 75,000 75,000 750 12500 >100000 >100000 >100000 >100000 >100000 >100000 300 300	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1% <0.1% <0.1% <1.1% <0.1% 100%
	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydrocodone Morphine Acetylmorphine Buprenorphine Ethylmorphine SECOBARBITAL Secobarbital Amobarbital	>100000 100 50,000 75,000 75,000 750 12500 >100000 >100000 >100000 >100000 >100000 >100000 300 300	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1% <0.1% <0.1% <1.1% <0.1% 100%
1 DUMONIUM 1 4.300 1 12%	3,4-methylenedioxy-methamphetamine (MDMA) OXYCODONE Oxycodone Codeine Ethyl Morphine Thebaine Oxymorphone Dihydrocodeine Hydromorphone Hydrocodone Morphine Acetylmorphine Buprenorphine Ethylmorphine SECOBARBITAL Secobarbital Amobarbital Alphenal	>100000 100 50,000 75,000 50,000 750 12500 >100000 >100000 >100000 >100000 >100000 300 300 300 750	100% 0.2% 0.1% 0.2% 13% 0.8% <0.1% <0.1% <0.1% <0.1% <0.1% <0.1% <1.1% <0.1% <0.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1% <40.1%

Butethal	2500	12%
Butalbital	2500	12%
Cyclopentobarbital	500	60%
Pentobarbital	2500	12%
BUPRENORPHINE		
Buprenorphine	10	100%
Buprenorphine -3-D-Glucuronide	10	100%
Norbuprenorphine	20	50%
Norbuprenorphine-3-D-Glucuronide	20	50%
Morphine	Negative at 100000	Not detected
Oxymorphone	Negative at 100000	Not detected
Hydromorphone	Negative at 100000	Not detected
METHADONE		
Methadone	300	100%
Doxylamine	5,000	6%
EDDP	Negative at 100,000	Not Detected
EMDP	Negative at 100,000	Not Detected
LAAM HCl	Negative at 100,000	Not Detected
Alpha Methadol	Negative at 100,000	Not Detected
PHENCYCLIDINE		
Phencyclidine	25	100%
4-Hydroxy Phencyclidine	90	28%
MDMA		
D,L-3,4-Methylenedioxymethamphetamine	500	100%
(MDMA)		
3,4-Methylenedioxyamphetamine HCI (MDA)	3,000	17%
3,4-Methylenedioxyethyla-amphetamine (MDEA)	300	167%
d-methamphetamine	2500	20%
d-amphetamine	>100000	Not detected
1-amphetamine	>100000	Not detected
l-methamphetamine	>100000	Not detected

PRECISION

This study is performed 2 runs/day and lasts 25 days for each drug with three lots. Three operators who don't know the sample number system participate in the study. Each of the 3 operators tests 2 aliquots at each concentration for each lot per day. A total of 50 determinations by each operator, at each concentration, were made. The results are given below:

Drugs	Concentration	n	Lot1		Le	ot2	Lo	ıt3
_	(ng/mL)		-	+	-	+		+
	0	50	50	0	50	0	50	0
	250	50	50	0	50	0	50	0
	500	50	50	0	50	0	50	0
	750	50	50	0	50	0	50	0
Methamphetamine	1,000	50	24	26	24	26	24	26
	1,250	50	0	50	0	50	0	50
	1,500	50	0	50	0	50	0	50
	1,750	50	0	50	0	50	0	50
	2,000	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	75	50	50	0	50	0	50	0
	150	50	50	0	50	0	50	0
	225	50	50	0	50	0	50	0
Benzoylecogonine	300	50	20	30	20	30	20	30
	375	50	0	50	0	50	0	50
	450	50	0	50	0	50	0	50
	525	50	0	50	0	50	0	50
	600	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	12.5	50	50	0	50	0	50	0
	25	50	50	0	50	0	50	0
	37.5	50	50	0	50	0	50	0
11-nor-Δ9-THC-9-COOH	50	50	20	30	20	30	20	30
	62.5	50	0	50	0	50	0	50
	75	50	0	50	0	50	0	50
	87.5	50	0	50	0	50	0	50
	100	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
Oxazepam	75	50	50	0	50	0	50	0
_	150	50	50	0	50	0	50	0

Drugs	Concentration	n	Lo		Lo	ot2	Lo	ot3
	(ng/mL)		-	+	-	+	-	+
	225	50	50	0	50	0	50	0
	300	50	18	32	18	32	18	32
	375	50	0	50	0	50	0	50
	450	50	0	50	0	50	0	50
	525	50	0	50	0	50	0	50
	600	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	500	50	50	0	50	0	50	0
	1,000	50	50	0	50	0	50	0
	1,500	50	50	0	50	0	50	0
Morphine	2,000	50	22	28	22	28	22	28
	2,500	50	0	50	0	50	0	50
	3,000	50	0	50	0	50	0	50
	3,500	50	0	50	0	50	0	50
	4,000	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	75	50	50	0	50	0	50	0
	150	50	50	0	50	0	50	0
	225	50	50	0	50	0	50	0
Amphetamine	1000	50	20	30	20	30	20	30
-	375	50	0	50	0	50	0	50
	450	50	0	50	0	50	0	50
	525	50	0	50	0	50	0	50
	600	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	25	50	50	0	50	0	50	0
	50	50	50	0	50	0	50	0
	75	50	50	0	50	0	50	0
Oxycodone	100	50	24	26	24	26	24	26
	125	50	0	50	0	50	0	50
	150	50	0	50	0	50	0	50
	175	50	0	50	0	50	0	50
	200	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	75	50	50	0	50	0	50	0
	150	50	50	0	50	0	50	0
Methadone	225	50	50	0	50	0	50	0
Methadone	300	50 50	28 0	22 50	24	26 50	27 0	50
	375 450	50	0	50	0	50	0	50
	525	50	0	50	0	50	0	50
	600	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	125	50	50	0	50	0	50	0
	250	50	50	0	50	0	50	0
	375	50	50	0	50	0	50	0
MDMA(Ecstasy)	500	50	24	26	24	26	24	26
	625	50	0	50	0	50	0	50
	750	50	0	50	0	50	0	50
	875	50	0	50	0	50	0	50
	1000	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	75	50	50	0	50	0	50	0
	150	50	50	0	50	0	50	0
	225	50	50	0	50	0	50	0
Secobarbital	300	50	23	27	21	29	23	27
	375	50	0	50	0	50	0	50
	450	50	0	50	0	50	0	50
	525	50	0	50	0	50	0	50
	600	50	0	50	0	50	0	50
	0	50	50	0	50	0	50	0
	2.5	50	50	0	50	0	50	0
	5	50	50	0	50	0	50	0
n	7.5	50	50	0	50	0	50	0
Buprenorphine	10	50	28	22	22	28	28	22
	12.5	50	0	50	0	50	0	50
	15	50	0	50	0	50	0	50
	17.5	50	0	50	0	50 50	0	50
	20 0	50 50	50	50	50	0	50	0
Phencyclidine	6	50	50	0	50	0	50	0
r nencychume	12.5	50	50	0	50	0	50	0
	14.3	JU	JU	v	JU	U	JU	U

Drugs	Concentration		Lot1		L	ot2	Lo	ot3
	(ng/mL)	n	-	+	-	+	-	+
	19	50	50	0	50	0	50	0
	25	50	22	28	22	28	22	28
	31	50	0	50	0	50	0	50
	37.5	50	0	50	0	50	0	50
	44	50	0	50	0	50	0	50
	50	50	0	50	0	50	0	50

Effect of Urinary Specific Gravity

Fifteen (15) urine samples of normal, high, and low specific gravity from 1.000 to 1.035 were spiked with drugs at 25% below and 25% above cut-off levels respectively. The Healgen® Multi-Drug Urine Test Dip card was tested in duplicate using ten 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 aliquot of negative urine pool is adjusted in the range of 4.00 to 9.00 in 1 pH unit increment and spiked with the target drug at 25% below and 25% above Cutoff levels. The spiked, pH-adjusted urine was tested with The Healgen® Multi-Drug Urine Test Dip 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 Methamphetamine, Cocaine, Morphine, Amphetamine, Oxycodone, Ecstasy, Buprenorphine, Phencyclidine, Secobarbital, Methadone, Marijuana and Oxazepam positive urine. The following compounds show no cross-reactivity when tested with the Healgen® Multi-Drug Urine Test Dip card at a concentration of 100 µg/mL.

	Non Cross-Reacting Compounds	•
Acetominophen	Faranta	Oxolinic acid
(4-Acetamidophenol)	Fenoprofen	Oxolinic acid
Acetophenetidin	Furosemide	Oxymetazoline
N-Acetylprocainamide	Gentisic acid	Papaverine
Acetylsalicylic acid	Hydralazine (except BZO test)	Penicillin-G
Aminopyrine	Hydrochlorothiazide (except BZO test)	Pentobarbital (except BAR test)
Amoxicillin	Hydrocodone (except BZO, MOP, OXY tests)	Perphenazine
Ampicillin	Hydrocortisone	Phenelzine
Apomorphine	O-Hydroxyhippuric acid	Phencyclidine(except PCP, OXY tests)
Aspartame	3-Hydroxytyramine	Prednisone
Atropine	Ibuprofen	Procaine (except BZO,tests)
Benzilic acid	D,L-Isoproterenol (except AMP test)	DL-Propranolol
Benzoic acid	Isoxsuprine	D-Propoxyphene
Benzoylecgonine (except COC tests)	Ketamine	D-Pseudoephedrine (except AMP, BAR tests)
Bilirubin	Ketoprofen	Quinine
Cannabidiol (except THC, OXY tests)	Labetalol	Ranitidine
Chloralhydrate	Loperamide	Salicylic acid
Chloramphenicol	Maprotiline	Secobarbital (except BAR tests)
Chlorothiazide	Meperidine (except THC, OXY tests)	Serotonin (5- Hydroxytyramine)
Chlorpromazine	Meprobamate	Sulfamethazine
Chlorquine	Methadone (except MTD tests)	Sulindac
Cholesterol	Methoxyphenamine (except AMP, BAR tests)	Tetrahydrocortisone, 3-acetate (except AMP, BAR tests)
Clonidine	Morphinie-3-β-d-glucuronide (except BZO, MOP, tests)	Tetrahydrocortisone 3-(β-Dglucuronide) (except AMP, BAR tests)
Codeine (except MOP, BZO, OXY tests)	Nalidixic acid	Tetrahydrozoline
Cortisone	Naloxone	Thiamine

(-) Cotinine	Naltrexone	Thioridazine
Creatinine	Naproxen	Triamterene
Deoxycorticosterone	Niacinamide	DL-Tyrosine
Dextromethorphan	Nifedipine	Trifluoperazine
Diclofenac	Norcodein (except MOP, BZO, OXY tests)	Trimethoprim
Diflunisal	Norethindrone	D L-Tryptophan (except AMP, BAR tests)
Digoxin	D-Norpropoxyphene	Tyramine (except AMP, BAR tests)
Diphenhydramine	Noscapine	Uric acid
Ecgonine methyl ester	D,L-Octopamine	Verapamil
Erythromycin (except BZO test)	Oxalic acid	Zomepirac
β-Estradiol (except BZO test)	Oxazepam (except BZO, OXY tests)	

Lav User Study

A lay user study was performed at three intended user sites with 160 lay persons. They had diverse educational and professional backgrounds and ranged in age from 21 to >50. Urine samples were prepared at the following concentrations; negative, +/-75%, +/-50%, +/-25% of the cutoff by spiking drugs into drug free-pooled urine specimens. The concentrations of the samples were confirmed by GC/MS. Each sample was aliquoted into individual containers and blind-labeled. Each participant was provided with the package insert, 1 blind labeled samples and a device. The typical results are summarized below.

		Number	Lay pe	rson results	The percentage	
Drugs	% of Cutoff	of	No. of	No. of	agreement	
		samples	Positive	Negative	(%)	
	-100%Cutoff	20	0	20	100%	
	-75%Cutoff	20	0	20	100%	
	-50% Cutoff	20	0	20	100%	
Methamphetamine	-25% Cutoff	20	2	18	90%	
	+25% Cutoff	20	18	2	90%	
	+50% Cutoff	20	20	0	100%	
	+75% Cutoff	20	20	0	100%	
	-100%Cutoff	20	0	20	100%	
	-75%Cutoff	20	0	20	100%	
	-50% Cutoff	20	0	20	100%	
Cocaine	-25% Cutoff	20	1	19	95%	
	+25% Cutoff	20	19	1	95%	
	+50% Cutoff	20	20	0	100%	
	+75% Cutoff	20	20	0	100%	
	-100%Cutoff	20	0	20	100%	
	-75%Cutoff	20	0	20	100%	
	-50% Cutoff	20	0	20	100%	
Cannabinoids	-25% Cutoff	20	2	18	90%	
	+25% Cutoff	20	19	1	95%	
	+50% Cutoff	20	20	0	100%	
	+75% Cutoff	20	20	0	100%	
	-100%Cutoff	20	0	20	100%	
	-75%Cutoff	20	0	20	100%	
	-50% Cutoff	20	0	20	100%	
Morphine	-25% Cutoff	20	2	18	90%	
•	+25% Cutoff	20	18	2	90%	
	+50% Cutoff	20	20	0	100%	
	+75% Cutoff	20	20	0	100%	
	-100%Cutoff	20	0	20	100%	
	-75%Cutoff	20	0	20	100%	
	-50% Cutoff	20	0	20	100%	
Oxazepam	-25% Cutoff	20	2	18	90%	
	+25% Cutoff	20	18	2	90%	
	+50% Cutoff	20	20	0	100%	
	+75% Cutoff	20	20	0	100%	
	-100%Cutoff	20	0	20	100%	
	-75%Cutoff	20	0	20	100%	
	-50% Cutoff	20	0	20	100%	
Amphetamine	-25% Cutoff	20	2	18	90%	
	+25% Cutoff	20	19	1	95%	
	+50% Cutoff	20	20	0	100%	
	+75% Cutoff	20	20	0	100%	
Oxycodone	-100%Cutoff	20	0	20	100%	

	-75%Cutoff	20	0	20	100%
	-50% Cutoff	20	0	20	100%
	-25% Cutoff	20	1	19	95%
	+25% Cutoff	20	19	1	95%
	+50% Cutoff	20	20	0	100%
	+75% Cutoff	20	20	0	100%
Methadone	-100%Cutoff	20	0	20	100%
	-75%Cutoff	20	0	20	100%
	-50% Cutoff	20	0	20	100%
	-25% Cutoff	20	1	19	95%
	+25% Cutoff	20	19	1	95%
	+50% Cutoff	20	20	0	100%
	+75% Cutoff	20	20	0	100%
Secobarbital	-100%Cutoff	20	0	20	100%
	-75%Cutoff	20	0	20	100%
	-50% Cutoff	20	0	20	100%
	-25% Cutoff	20	1	19	95%
	+25% Cutoff	20	19	1	95%
	+50% Cutoff	20	20	0	100%
	+75% Cutoff	20	20	0	100%
	-100%Cutoff	20	0	20	100%
Buprenorphine	-75%Cutoff	20	0	20	100%
	-50% Cutoff	20	0	20	100%
	-25% Cutoff	20	2	18	90%
	+25% Cutoff	20	18	2	90%
	+50% Cutoff	20	20	0	100%
	+75% Cutoff	20	20	0	100%
	-100%Cutoff	20	0	20	100%
Phencyclidine	-75%Cutoff	20	0	20	100%
			0		100%
	-50% Cutoff -25% Cutoff	20	2	20 18	90%
		20	18	2	90%
	+25% Cutoff +50% Cutoff	20	20	0	100%
	+75% Cutoff	20	20	0	100%
MDMA	-100%Cutoff	20	0	20	100%
	-75%Cutoff	20	0	20	100%
	-50% Cutoff	20	0	20	100%
	-25% Cutoff	20	1	19	95%
	+25% Cutoff	20	19	1	95%
	+50% Cutoff	20	20	0	100%
	+75% Cutoff	20	20	0	100%

BIBLIOGRAPHY

- 1. Stewart DJ, Inaba T, Lucassen M, Kalow W. Clin. Pharmacol. Ther. April 1979; 25 ed: 464, 264-8.
- 2. Ambre J. J. Anal. Toxicol. 1985; 9:241.
- 3. Hawks RL, CN Chiang. Urine Testing for Drugs of Abuse. National Institute for Drug Abuse (NIDA), Research Monograph 73, 1986.
- 4. Tietz NW. Textbook of Clinical Chemistry. W.B. Saunders Company. 1986; 1735.
- FDA Guidance Document: Guidance for Premarket Submission for Kits for Screening Drugs of Abuse to be Used by the Consumer, 1997.

ADDITIONAL INFORMATION AND RESOURCES

The following list of organizations may be helpful to you for counseling support and resources. These groups also have an Internet address which can be accessed for additional information.

National Clearinghouse for Alcohol and Drug Information www.health.org 1-800729-6686

Center for Substance Abuse Treatment www.health.org 1-800-662-HELP

The National Council on Alcoholism and Drug Dependence www.ncadd.org 1-800-NCA-CALL

American Council for Drug Education (ACDE) www.acde.org 1-800-488-DRUG

INDEX OF SYMBOLS



Keep away from sunlight



Store between 2°C and 30°C



Keep dry



Do not re-use