

# Multi-Drug X(2-22) Drugs Rapid Test 1-Step Cup with/without Adulteration (Urine) Package Insert

Instruction Sheet for testing of any combination of the following drugs:

ACE/AMP/BAR/BZO/BUP/COC/THC/MTD/MET/MDMA/MOP/MQL/OPI/PCP/PPX/TCA/TML/  
KET/OXY/COT/EDDP/FYL/K2/6-MAM/MDA/ETG/6-CLO/LSD/MPD/ZOL/MEP/MDPV/DIA/ZOP/  
MCA/T/7-ACL/CAF/CFYL/CAT/TRO/ALP/PGB/ZAL/MPRD/CNB/GAB/TZP/CAR/ABP(K3)/  
QTP/FLX/UR-144(K4)/KRA/TLD/α-PVP/MES/PAP/CIT/FKET/OZP/RPD/TAP/NNND/SCOP/MTZ  
/HMO/GHB/PY/ALC

Including Specimen Validity Tests (S.V.T.) for:

Oxidants/PCC, Specific Gravity, pH, Nitrite, Glutaraldehyde, Creatinine and Bleach

A rapid test for the simultaneous, qualitative detection of multiple drugs and drug metabolites in human urine. For forensic use only.

## 【INTENDED USE】

The Multi-Drug Rapid Test Cup is a rapid chromatographic immunoassay for the qualitative detection of multiple drugs and drug metabolites in human urine at the following cut-off concentrations:

Test	Calibrator	Cut-off (ng/mL)
Acetaminophen (ACE)	Acetaminophen	5,000
Amphetamine (AMP)	d-Amphetamine	1,000/500/300
Barbiturates (BAR)	Secobarbital	300/200
Benzodiazepines (BZO)	Oxazepam	500/300/200/100
Buprenorphine (BUP)	Buprenorphine	10/5
Cocaine (COC)	Benzoylcegonine	1,500/300/200/150/100
Marijuana (THC)	11-nor-Δ <sup>9</sup> -THC-9 COOH	300/200/150/50/30/25/20
Methadone (MTD)	Methadone	300/200/100
Methamphetamine (MET)	d-Methamphetamine	1,000/500/300/200
Methylenedioxy-methamphetamine (MDMA)	d,l-Methylenedioxy-methamphetamine	1,000/500/300
Morphine/Opiate (MOP/OPI)	Morphine	300/200/100
Methaqualone (MQL)	Methaqualone	300
Meperidine (MPRD)	Normeperidine	100
Opiate (OPI)	Morphine	2,000/1,000
Phencyclidine (PCP)	Phencyclidine	50/25
Propoxyphene (PPX)	Propoxyphene	300
Tricyclic Antidepressants (TCA)	Nortriptyline	1,000/500/300
Tramadol (TML)	Cis-Tramadol	500/300/200/100
Ketamine (KET)	Ketamine	1,000/500/300/100
Oxycodone (OXY)	Oxycodone	300/100
Cotinine (COT)	Cotinine	500/300/200/100/50/10
2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)	2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine	300/100
Fentanyl (FYL)	Fentanyl	300/200/100/20/10
Synthetic Marijuana (K2)	JWH-018, JWH-073	50/30/25
6-Monoacetylmorphine (6-MAM)	6-MAM	10
(±) 3,4-Methylenedioxy-Amphetamine (MDA)	(±) 3,4-Methylenedioxy-Amphetamine	500
Ethyl- β-D-Glucuronide (ETG)	Ethyl- β -D-Glucuronide	1,500/1,000/500/300
Clonazepam (CLO)	Clonazepam	400/150
Lysergic Acid Diethylamide (LSD)	Lysergic Acid Diethylamide	50/20/10
Methyphenidate (MPD)	Methyphenidate	300/150
Methyphenidate (MPD)	Ritalin acid	1,000
Zolpidem (ZOL)	Zolpidem	50/25
Mephedrone (MEP)	Mephedrone	500/100
3, 4-methylenedioxypropylvalerone (MDPV)	3, 4-methylenedioxypropylvalerone	1,000/500/300
Diazepam (DIA)	Diazepam	300/200
Zopiclone (ZOP)	Zopiclone	300/50
Methcathinone (MCAT)	S(-)-Methcathinone	500
7-Aminoclonazepam (7-ACL)	7-Aminoclonazepam	300/200/100

Carfentanyl (CFYL)	Carfentanyl	500/250
Cannabinol (CNB)	Cannabinol	500
Caffeine (CAF)	Caffeine	1,000
Cathine (CAT)	(+)-Norpseudoephedrine	150
Tropicamide (TRO)	Tropicamide	350
Alprazolam (ALP)	Alprazolam	100/200
Pregabalin (PGB)	Pregabalin	50,000/500
Gabapentin (GAB)	Gabapentin	2,000/500
Zaleplon (ZAL)	Zaleplon	100
Carisoprodol (CAR)	Carisoprodol	2,000/1,000/500
AB-PINACA/K3 (ABP/K3)	AB-PINACA	10/25
Quetiapine (QTP)	Quetiapine	1,000
Fluoxetine (FLX)	Fluoxetine	500
UR-144/K4	UR-144 5-Pentanoic acid	25
Kratom (KRA)	Mitragynine	300
Tilidine (TLD)	Nortilidine	50
Trazodone (TZD)	Trazodone	200
Alpha-Pyrrolidinovalephorone (α-PVP)	Alpha-Pyrrolidinovalephorone	2,000/1,000/500/300
Mescaline (MES)	Mescaline	300/100
Papaverine (PAP)	Papaverine	500
Citalopram (CIT)	Citalopram	500
Fluoxetine (FKET)	Fluoxetine	1,000
Olanzapine (OZP)	Olanzapine	1,000
Risperidone (RPD)	Risperidone	150
Tapentadol (TAP)	Tapentadol	1,000
N,N-Dimethyltryptamine (NND)	N,N-Dimethyltryptamine	1,000
Scopolamine (SCOP)	Scopolamine	500
Mirtazapine (MTZ)	Desmethyilmirtazapine	500
Hydromorphone (HMO)	Hydromorphone	500/300/250
γ-Hydroxybutyric acid (GHB)	γ-Hydroxybutyric acid	10,000
Psilocybin (PY)	Psilocybin	500
<b>Test</b>	<b>Calibrator</b>	<b>Cut-off</b>
Alcohol (ALC)	Alcohol	0.02%

Configurations of the Multi-Drug Rapid Test Cup come with any combination of the above listed drug analytes with or without S.V.T. This assay provides only a preliminary test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas Chromatography/Mass Spectrometry (GC/MS) is the preferred confirmatory method. Clinical consideration and professional judgment should be applied to any drug of abuse test result, particularly when preliminary positive results are indicated.

## 【SUMMARY OF ADULTERATION】

Adulteration is the tampering of a urine specimen with the intention of altering the test results. The use of adulterants can cause false negative results in drug tests by either interfering with the screening test and/or destroying the drugs present in the urine. Dilution may also be employed in an attempt to produce false negative drug test results.

One of the best ways to test for adulteration or dilution is to determine certain urinary characteristics such as pH, specific gravity and creatinine and to detect the presence of oxidants/PCC, nitrites or glutaraldehyde in urine.

## 【PRINCIPLE (FOR DOA TESTS EXCLUDING ALCOHOL)】

During testing, a urine specimen migrates upward by capillary action. A drug, if present in the urine specimen below its cut-off concentration, will not saturate the binding sites of its specific antibody. The antibody will then react with the drug-protein conjugate and a visible colored line will show up in the test region of the specific drug dipstick. The presence of drug above the cut-off concentration will saturate all the binding sites of the antibody. Therefore, the colored line will not form in the test region.

A drug-positive urine specimen will not generate a colored line in the specific test region of the dipstick because of drug competition, while a drug-negative urine specimen will generate a line in the test region because of the absence of drug competition.

To serve as a procedural control, a colored line will always appear at the control region, indicating that proper volume of specimen has been added and membrane wicking has occurred.

## 【PRINCIPLE OF ADULTERATION】

**Oxidants/PCC (Pyridiniumchlorochromate)** tests for the presence of oxidizing agents such as bleach and hydrogen peroxide. Pyridiniumchlorochromate (sold under the brand name Urine Luck) is a commonly used adulterant.<sup>2</sup> Normal human urine should not contain oxidants of PCC. **Specific gravity** tests for sample dilution. The normal range is from 1.003 to 1.030. Values

outside this range may be the result of specimen dilution or adulteration.

**pH** tests for the presence of acidic or alkaline adulterants in urine. Normal pH levels should be in the range of 4.0 to 9.0. Values outside of this range may indicate the sample has been altered.

**Nitrite** tests for commonly used commercial adulterants such as Klear and Whizzies. They work by oxidizing the major cannabinoid metabolite THC-COOH.<sup>3</sup> Normal urine should contain no trace of nitrite. Positive results generally indicate the presence of an adulterant.

**Glutaraldehyde** tests for the presence of an aldehyde. Adulterants such as Urin Aid and Clear Choice contain glutaraldehyde which may cause false negative results by disrupting the enzyme used in some immunoassay tests.<sup>3</sup> Glutaraldehyde is not normally found in urine; therefore, detection of glutaraldehyde in a urine specimen is generally an indicator of adulteration.

**Creatinine** is a waste product of creatine; an amino-acid contained in muscle tissue and found in urine.<sup>1</sup> A person may attempt to foil a test by drinking excessive amounts of water or diuretics such as herbal teas to "flush" the system. Creatinine and specific gravity are two ways to check for dilution and flushing, which are the most common mechanisms used in an attempt to circumvent drug testing. Low Creatinine and specific gravity levels may indicate dilute urine. The absence of Creatinine (<5 mg/dL) is indicative of a specimen not consistent with human urine.

**Bleach** tests for the presence of bleach. Bleach refers to a number of chemicals which remove color, whiten or disinfect, often by oxidation, Bleaches are used as household chemicals to whiten clothes and remove stains and as disinfectants. Normal human urine should not contain bleach.

## 【PRINCIPLE (FOR ALCOHOL)】

The urine Alcohol Rapid Test Cup consists of a plastic strip with a reaction pad attached at the tip. On contact with alcohol, the reaction pad will change colors depending on the concentration of alcohol present. This is based on the high specificity of alcohol oxidase for ethyl alcohol in the presence of peroxidase and enzyme substrate such as TMB.

## 【PRINCIPLE OF GHB】

GHB-DH catalyses the reaction of GHB and NAD to produce NADH, and a diaphorase couple tetrazolium dye reaction results in the production of a purple dye complex. The reagents were stabilized and suitably for use in Dipstick to screen GHB levels in urine at 10µg/mL.

## 【REAGENTS (FOR DOA TESTS EXCLUDING ALCOHOL)】

Each test line contains anti-drug mouse monoclonal antibody and corresponding drug-protein conjugates. The control line contains goat anti-rabbit IgG polyclonal antibodies and rabbit IgG.

## 【REAGENTS (FOR ALCOHOL)】

Tetramethylbenzidine, Alcohol Oxidase, Peroxidase

## 【REAGENTS (FOR GHB)】

GHB-DH ,NAD ,Diaphorase,Tetrazolium Dye

Other additives

## 【S.V.T REAGENTS】

Adulteration Pad	Reactive indicator	Buffers and non-reactive ingredients
Creatinine	0.04%	99.96%
Nitrite	0.07%	99.93%
Bleach	0.39%	99.61%
Glutaraldehyde	0.02%	99.98%
pH	0.06%	99.94%
Specific Gravity	0.25%	99.75%
Oxidants / PCC	0.36%	99.64%

## 【PRECAUTIONS】

- For forensic use only. The test should remain in the sealed pouch until use.
- All specimens should be considered potentially hazardous and handled in the same manner as an infectious agent.
- The used test should be discarded according to local regulations.

## 【STORAGE AND STABILITY】

Store as packaged in the sealed pouch at 2-30°C. The test is stable through the expiration date printed on the sealed pouch. The Test must remain in the sealed pouch until use. **DO NOT FREEZE.** Do not use beyond the expiration date.

The GHB Rapid Test should be stored as packaged in the sealed pouch either at room temperature or refrigerated (2-30°C). However enzyme-based tests work best when stored at 2-8°C. Therefore, even though the kit is stable up to 30°C, storage at 2-8°C range is advised for enhanced performances.

## 【SPECIMEN COLLECTION AND PREPARATION】

### Urine Assay

The urine specimen should be collected in a clean and dry container. Urine collected at any time of the day may be used. Urine specimens exhibiting visible precipitates should be centrifuged, filtered, or allowed to settle to obtain a clear specimen for testing.

### Specimen Storage

Urine specimens may be stored at 2-8°C for up to 48 hours prior to testing. For prolonged

storage, specimens may be frozen and stored below -20°C. Frozen specimens should be thawed and mixed well before testing. When testing cards with S.V.T. or Alcohol storage of urine specimens should not exceed 2 hours at room temperature or 4 hours refrigerated prior to testing.

**【MATERIALS】**

**Materials Provided**

- Test Cups
- Package Insert
- Adulteration Color Chart (when applicable)

**Materials Required But Not Provided**

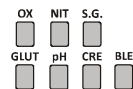
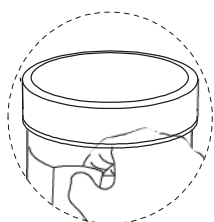
- Timer
- Specimen collection containers

**【DIRECTIONS FOR USE】**

**Allow the test, urine specimen and/or controls to reach room temperature (15-30°C) prior to testing.**

1. Bring the pouch to room temperature before opening it. Remove the cup from the sealed pouch and use it within one hour.
2. Donor provides specimen.
3. Technician replaces and secures cap while the cup is on a flat surface.
4. Check the temperature label (Temp Label) up to 4 minutes after specimen collection. A green color will appear to indicate the temperature of the urine specimen. The proper range for an unadulterated specimen is 32-38°C (90-100°F).
5. Technician dates and initials the security seal and attaches the security seal over the cup cap.
6. Technician peels off the label on test cup to view results.
7. **Read the adulteration strips and alcohol strip between 3-5 minutes** with the help of color chart provided separately/ on foil pouch. Refer to your Drug Free Policy for guidelines on adulterated specimens. We recommend not to interpret the drug test results and either test the urine or collect another specimen in case of any positive result for any adulteration test.
8. **The drug strip result should be read at 5 minutes.** Do not interpret the result after 10 minutes.
9. Read the GHB results after 10 minutes by comparing the color in the Test area with the color card on the foil pouch to determine the relative GHB concentration. Testing may take 15 minutes when testing a concentration of 10 µg/mL. Do not interpret the results after 15 minutes.

**Interpret adulteration strips and Alcohol strip between 3-5 minutes. See enclosed color chart for interpretation.**



**Read the GHB strips at 10-15 minutes.**



**Read the drug strips in 5 minutes.**



**【INTERPRETATION OF RESULTS】**

(Please refer to the illustration above)

**NEGATIVE:** A colored line appears in the control region (C) and another colored line appears in the test region (T). This negative result means that the concentrations in the urine sample are below the designated cut-off levels for a particular drug tested.

**\*NOTE:** The shade of the colored lines(s) in the test region (T) may vary. The result should be considered negative whenever there is even a faint line.

**POSITIVE:** A colored line appears in the control region (C) and no line appears in the test region (T). The positive result means that the drug concentration in the urine sample is greater than the designated cut-off for a specific drug.

**INVALID:** No line appears in the control region (C). Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for control line failure. Read the directions again and repeat the test with a new test. If the result is still invalid, contact your manufacturer.

**【INTERPRETATION OF RESULTS (S.V.T/ ADULTERATION)】**

(Please refer to the color chart)

Semi-Quantitative results are obtained by visually comparing the reacted color blocks on the strip to the printed color blocks on the color chart. No instrumentation is required.

**【INTERPRETATION OF RESULTS (ALCOHOL STRIP)】**

**Negative:** Almost no color change by comparing with the background. The negative result indicates that the urine alcohol level is less than 0.02%.

**Positive:** A distinct color developed all over the pad. The positive result indicates that the urine alcohol concentration is 0.02% or higher.

**Invalid:** The test should be considered invalid if only the edge of the reactive pad turned color that might be ascribed to insufficient sampling. The subject should be re-tested. Besides, if the color pad has a blue color before applying urine sample, do not use the test.

**【INTERPRETATION OF RESULTS (GHB)】**

**POSITIVE:** The GHB Rapid Test will produce a color change in the presence of GHB. The color will range from light purple color at 10µg/mL of GHB to a dark purple color greater than or equal 50µg/mL of GHB.

**NEGATIVE:** When the GHB Rapid Test shows no color change or a color less intense than the color specifying 10 µg/mL of GHB, it should be interpreted as a negative result indicating that GHB concentration in the sample is below the detectable level (10 µg/mL).

**INVALID:** If the color pad has a purple color before applying urine sample, do not use the test.

**NOTE:** A result where the outer edges of the color pad produces a slight color but the majority of the pad remains colorless the test should be repeated to ensure complete saturation of the pad with specimen.

The test is not reusable.

**【QUALITY CONTROL】**

A procedural control is included in the test. A line appearing in the control region (C) is considered an internal procedural control. It confirms sufficient specimen 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.

**【LIMITATIONS】**

1. The Multi-Drug Rapid Test Cup provides only a qualitative, preliminary result. A secondary analytical method must be used to obtain a confirmed result. Gas Chromatography /Mass Spectrometry (GC/MS) is the preferred confirmatory method.<sup>4,5</sup>
2. There is a possibility that technical or procedural errors, as well as interfering substances in the urine specimen may cause erroneous results.
3. Adulterants, such as bleach and/or alum, in urine specimens may produce erroneous results regardless of the analytical method used. If adulteration is suspected, the test should be repeated with another urine specimen.
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. This test does not distinguish between drugs of abuse and certain medications.
7. A positive test result may be obtained from certain foods or food supplements.

**For GHB**

1. The GHB Rapid Test appears to be relatively resistant to common interferants but a strong false positive signal can be produced with extreme concentrations of L-Ascorbic acid. The impact of this interference is expected to be low in human urine as concentrations are expected to be much less. Further titration is required to ascertain at what concentration this effect is observed. L-ascorbic acid may be more problematic for beverage testing applications.

2. Highly colored samples such as those urines containing high amounts of blood or riboflavin can interfere with interpretation of the color signal. Grossly hemolyzed samples will require clean-up or possibly re-sampling.

3. The GHB Rapid Test reaction zone is sensitive to moisture. Handle with care in areas with potential high moisture exposure.

4. Storage of the s in the original packaging materials is critical for stability.

**【S.V.T/ ADULTERATION LIMITATIONS】**

1. The adulteration tests included with the product are meant to aid in the determination of abnormal specimens. While comprehensive, these tests are not meant to be an "all-inclusive" representation of possible adulterants.

2. **Oxidants/PCC:** Normal human urine should not contain oxidants or PCC. The presence of high levels of antioxidants in the specimen, such as ascorbic acid, may result in false negative results for the oxidants/PCC pad.

3. **Specific Gravity:** Elevated levels of protein in urine may cause abnormally high specific gravity values.

4. **Nitrite:** Nitrite is not a normal component of human urine. However, nitrite found in urine may indicate urinary tract infections or bacterial infections. Nitrite levels of >20 mg/dL may produce false positive glutaraldehyde results.

5. **Glutaraldehyde:** is not normally found in urine. However certain metabolic abnormalities such as ketoacidosis (fasting, uncontrolled diabetes or high protein diets) may interfere with the test results.

6. **Creatinine:** Normal Creatinine levels are between 20 and 350 mg/dL. Under rare conditions, certain kidney diseases may show dilute urine.

7. **Bleach:** Normal human urine should not contain bleach. The presence of high levels of bleach in the specimen may result in false negative results for the bleach pad.

8. **pH:** Normal pH levels are between 4.0 and 9.0.

**【PERFORMANCE CHARACTERISTICS】**

	Accuracy										
	% Agreement with GC/MS										
	ACE 5,000	AMP 1,000	AMP 500	AMP 300	BAR 300	BAR 200	BZO 500	BZO 300	BZO 200	BZO 100	BUP 10
Positive Agreement	93.5%	98.1%	99.1%	99.1%	96.1%	95.3%	98.2%	98.4%	99.2%	99.2%	99.1%
Negative Agreement	98.6%	97.9%	98.6%	98.5%	98.6%	97.9%	97.8%	99.2%	98.4%	97.5%	>99.9 %
Total Results	97.0%	98.0%	98.8%	98.8%	97.6%	96.8%	98.0%	98.8%	98.8%	98.4%	99.6%

	BUP 5	COC 300	COC 200	COC 150	COC 100	THC 300	THC 150	THC 50	THC 25	THC 20	MTD 300
Positive Agreement	99.1%	98.2%	>99.9 %	98.3%	99.2%	95.5%	94.5%	97.9%	96.9%	94.8%	98.9%
Negative Agreement	>99.9 %	97.8%	>99.9 %	97.0%	97.0%	98.1%	97.5%	98.1%	97.4%	99.3%	98.8%
Total Results	99.6%	98.0%	100.0 %	97.6%	98.0%	97.2%	96.4%	98.0%	97.2%	97.6%	98.8%

	MTD 200	MET 1,000	MET 500	MET 300	MDMA 1,000	MDMA 500	MDMA 300	MOP/ OPI 300	MOP/ OPI 100	MQL 300	OPI 2,000
Positive Agreement	98.9%	96.2%	97.6%	97.8%	98.0%	98.1%	98.1%	95.0%	97.0%	89.8%	96.7%
Negative Agreement	98.7%	97.1%	97.0%	97.5%	99.3%	99.3%	99.3%	95.3%	96.6%	93.2%	93.8%
Total Results	98.8%	96.8%	97.2%	97.6%	98.8%	98.8%	98.8%	95.2%	96.8%	92.0%	95.2%

	PCP 25	PPX 300	TCA 1,000	TCA 500	TML 100	TML 200	TML 300	KET 1,000	KET 500	KET 300	KET 100
Positive Agreement	92.4%	96.0%	94.8%	94.9%	88.2%	88.2%	88.0%	97.5%	97.6%	96.7%	96.0%
Negative Agreement	96.8%	94.0%	91.6%	92.1%	92.4%	96.2%	96.2%	98.2%	98.2%	97.5%	97.3%
Total Results	95.2%	94.8%	92.8%	93.2%	90.8%	93.2%	93.2%	98.0%	98.0%	97.2%	96.8%

	OXY 100	OXY 300	COT 500	COT 200	COT 100	COT 50	COT 10	EDDP 300	EDDP 100	FYL 20	FYL 10
Positive Agreement	97.7%	96.5%	95.7%	96.7%	97.9%	96.7%	97.8%	97.9%	96.9%	96.7%	>99.9 %
Negative Agreement	99.4%	99.4%	96.1%	97.5%	98.1%	97.5%	98.1%	99.4%	96.7%	98.9%	97.8%
Total Results	98.8%	98.4%	96.0%	97.2%	98.0%	97.2%	98.0%	98.8%	96.8%	98.4%	98.4%

	K2 50	K2 30	6-MAM 10	MDA 500	ETG 500	ETG 1,000	CLO 400	CLO 150	LSD 10	LSD 20	LSD 50
Positive Agreement	97.5%	97.6%	97.7%	98.1%	97.6%	95.3%	97.1%	99.0%	94.3%	94.3%	94.1%
Negative Agreement	98.2%	98.8%	98.1%	97.9%	99.4%	99.4%	99.3%	98.6%	98.5%	98.5%	98.5%

Total Results	98.0%	98.4%	98.0%	98.0%	98.8%	98.0%	98.4%	98.8%	97.0%	97.0%	97.0%
	MPD 300	MPD 1,000	ZOL 50	DIA 300	DIA 200	ZOP 50	MCAT 500	7-ACL 300	7-ACL 200	7-ACL 100	CFYL 500
Positive Agreement	94.6%	94.6%	90.9%	98.4%	98.4%	86.4%	90.9%	94.1%	94.6%	94.7%	94.7%
Negative Agreement	98.4%	98.4%	97.1%	99.2%	99.2%	97.2%	95.0%	97.7%	97.6%	97.5%	98.6%
Total Results	97.0%	97.0%	95.6%	98.8%	98.8%	94.6%	94.1%	96.2%	96.2%	96.2%	97.3%

	CAF 1,000	CAT 150	TRO 350	MDPV 1,000	MDPV 500	MEP 100	ALP 100	ABP/K3-10	α-PVP 1,000	CNB 500	MPRD 100
Positive Agreement	91.3%	90.5%	92.0%	93.3%	93.1%	90.5%	90.9%	92.0%	92.1%	95.8%	95.0%
Negative Agreement	95.7%	97.3%	97.0%	98.6%	98.3%	97.0%	97.4%	97.1%	96.8%	97.6%	94.2%
Total Results	94.6%	95.8%	95.6%	97.0%	96.6%	95.4%	95.9%	95.8%	95.0%	96.9%	94.4%

	PGB 50,000	TZD 200	UR-144/K4 25	ZAL 100	MES 100	GAB 2,000	MOP/OPI 200	ETG 300	α-PVP 500	TLD 50	QTP 1,000
Positive Agreement	90.9%	92.9%	97.1%	95.2%	95.8%	92.3%	95.0%	98.8%	91.9%	97.3%	97.1%
Negative Agreement	97.3%	96.1%	98.4%	97.4%	97.6%	98.5%	96.0%	99.4%	95.2%	98.3%	98.3%
Total Results	95.9%	95.2%	98.0%	96.7%	96.9%	96.7%	95.6%	99.2%	94.0%	97.9%	97.9%

	PAP 500	KRA 300	CAR 2,000	FLX 500	K2 25	CIT 500	FKET 1,000	RPD 150	FYL 100	FYL 200	CFYL 250
Positive Agreement	96.9%	95.7%	95.0%	97.1%	97.6%	93.3%	96.7%	93.3%	97.1%	97.0%	94.7%
Negative Agreement	98.0%	98.3%	94.2%	96.6%	98.2%	95.5%	97.0%	95.5%	98.7%	98.6%	98.6%
Total Results	97.6%	97.6%	94.4%	96.8%	98.0%	94.8%	96.9%	94.8%	98.2%	98.1%	97.3%

	PGB 500	MES 300	OZP 1,000	MDPV 300	α-PVP 2,000	α-PVP 300	TAP 1,000	NND 1,000	SCOP 500	MTZ 500	ABP 25
Positive Agreement	95.2%	95.8%	95.8%	93.8%	86.8%	92.1%	94.4%	96.7%	93.5%	93.3%	92.6%
Negative Agreement	96.3%	97.6%	97.6%	97.1%	96.8%	95.2%	98.2%	97.0%	98.6%	95.6%	96.8%
Total Results	96.0%	96.9%	96.9%	96.1%	93.0%	94.0%	96.7%	96.9%	97.0%	94.9%	95.5%

	COT 300	THC 200	THC 30	MEP 500	MPD 150	OPI 1,000	PCP 50	TML 500	TCA 300	CAR 1,000	FYL 300	ALP 200
Positive Agreement	97.7%	93.4%	97.9%	95.2%	91.9%	95.9%	92.3%	92.9%	94.9%	90.0%	97.0%	90.9%
Negative Agreement	97.5%	97.5%	98.1%	98.5%	98.4%	93.8%	96.9%	98.1%	92.1%	98.1%	98.6%	97.4%
Total Results	97.6%	96.0%	98.0%	97.7%	96.0%	94.8%	95.2%	96.9%	93.2%	95.8%	98.1%	95.9%

	HMO 250	HMO 300	HMO 500	MET 200	CAR 500	COC 1,500	ETG 1,500	ZOP 300	ZOL 25	MTD 100	GAB 500	PY 500
Positive Agreement	93.8%	91.7%	91.7%	97.6%	90.0%	92.0%	97.7%	90.9%	90.9%	98.9%	96.7%	93.3%
Negative Agreement	97.5%	98.7%	98.7%	97.0%	92.3%	98.3%	99.4%	97.2%	97.1%	98.7%	97.1%	98.2%
Total Results	96.1%	96.1%	96.1%	97.2%	91.7%	95.2%	98.8%	95.7%	95.6%	98.8%	97.0%	96.5%

**% Agreement with Commercial Kit**

	ACE 5,000	AMP 1,000/500/300	BAR 300/200	BZO 500/300/200/100	BUP 10/5	COC 300/100	COC 1,500/200/150	THC 150/50/25	THC 300/200/30/20	MPD 1,000/300/150
Positive Agreement	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	*	>99.9%	*	*
Negative Agreement	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	*	>99.9%	*	*
Total Results	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	*	>99.9%	*	*

	7-ACL 300/200/100	MTD 300/200/100	MET 1,000/500/300	MET 200	MDMA 1,000/500	MDMA 300	MOP/OPI 300/200/100	MQL 300	MEP 500/100	LSD 50/20/10
Positive Agreement	*	>99.9%	>99.9%	*	>99.9%	*	>99.9%	>99.9%	*	*
Negative Agreement	*	>99.9%	>99.9%	*	>99.9%	*	>99.9%	>99.9%	*	*
Total Results	*	>99.9%	>99.9%	*	>99.9%	*	>99.9%	>99.9%	*	*

	PPX 300	TCA 1,000/500/300	TML 500/200/100	KET 1,000/300/100	COT 500/200/100/50/10	OPI 2,000/1,000	PCP 50	PCP 25	DIA 300/200	MDPV 1,000/500/300
Positive Agreement	>99.9%	*	*	>99.9%	*	*	*	>99.9%	*	*
Negative Agreement	>99.9%	*	*	>99.9%	*	*	*	>99.9%	*	*
Total Results	>99.9%	*	*	>99.9%	*	*	*	>99.9%	*	*

	OXY 300/100	EDDP 300/100	FYL 300/200/100/20/10	K2-50/30/25	6-MAM 10	MDA 500	ETG 1,500/1,000/500/300	CLO 400/150	ZOL 50/25	ZOP 300/50	MCAT 500
Positive Agreement	*	*	*	*	*	*	*	*	*	*	*
Negative Agreement	*	*	*	*	*	*	*	*	*	*	*
Total Results	*	*	*	*	*	*	*	*	*	*	*

	CFYL 500/250	CAF 1,000	CAT 150	TRO 350	ALP 100/200	PGB 50,000/500	ABP/K3 10/25	CNB 500	TZD 200	GAB 2,000/500
Positive Agreement	*	*	*	*	*	*	*	*	*	*
Negative Agreement	*	*	*	*	*	*	*	*	*	*
Total Results	*	*	*	*	*	*	*	*	*	*

	CAR 2,000/1,000/500	MPRD 100	QTP 1,000	FLX 500	UR-144/K4-25	KRA 300	TLD 50	α-PVP 2,000/1,000/500/300	MES 100/300	ZAL 100
Positive Agreement	*	*	*	*	*	*	*	*	*	*
Negative Agreement	*	*	*	*	*	*	*	*	*	*
Total Results	*	*	*	*	*	*	*	*	*	*

	CIT 500	FKET 1,000	RPD 150	TAP 1,000	NND 1,000	SCOP 500	MTZ 500	OZP 1,000	PAP 500	HMO 500/300/250	PY 500
Positive Agreement	*	*	*	*	*	*	*	*	*	*	*
Negative Agreement	*	*	*	*	*	*	*	*	*	*	*
Total Results	*	*	*	*	*	*	*	*	*	*	*

\*Note: Based on GC/MS data instead of Commercial Kit.

**Precision**

A study was conducted at three hospitals using three different lots of product to demonstrate the within run, between run and between operator precision. An identical card of coded specimens, containing drugs at concentrations of negative, 50% and 25% cut-off level, was labeled, blinded and tested at each site. **The results gained ≥ 75% accuracy in ±25% cut-off level specimen and 100% accuracy in negative and ±50% cut-off level specimen.**

**Analytical Sensitivity**

A drug-free urine pool was spiked with drugs at the listed concentrations. The results are summarized below.

Drug Concentration Cut-off Range	ACE 5,000		AMP 1,000		AMP 500		AMP 300		BAR 300		BAR 200		BZO 500		BZO 300	
	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	26	4	26	4	25	5	27	3	27	3	26	4	27	3	27	3
Cut-off	14	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15
+25% Cut-off	3	27	3	27	3	27	4	26	4	26	3	27	4	26	3	27
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration Cut-off Range	BZO 200		BZO 100		BUP 10		BUP 5		COC 1,500		COC 300		COC 200		COC 150		COC 100	
	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	27	3	26	4	26	4	25	5	26	4	26	4	27	3	27	3
Cut-off	16	14	14	16	14	16	14	16	15	15	13	17	14	16	16	14	16	14
+25% Cut-off	3	27	3	27	3	27	3	27	3	27	3	27	3	27	4	26	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration Cut-off Range	THC 150		THC 50		THC 25		MTD 300		MTD 200		MTD 100		MET 1,000		MET 500		MET 300		MET 200	
	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	26	4	27	3	27	3	27	3	27	3	27	3	27	3	27	3	27	3
Cut-off	15	15	14	16	15	13	17	15	15	14	16	14	15	15	15	16	14	15	15	15
+25% Cut-off	4	26	3	27	4	26	4	26	4	26	5	25	3	27	4	26	3	27	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration Cut-off Range	MDMA 1,000		MDMA 500		MOP/OPI 300		MOP/OPI 100		OPI 2,000		PCP 50		PCP 25		PPX 300	
	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	26	4	25	5	26	4	26	4	27	3	26	4	25	5	26	4
Cut-off	15	15	14	16	15	15	15	15	15	15	15	15	15	15	14	16
+25% Cut-off	5	25	4	26	3	27	3	27	5	25	3	27	3	27	3	27
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration	TML 100	TML 200	TML 300	TML 500	KET 1,000	KET 500	KET 300	KET 100	MLQ 300
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30
-50% Cut-off	30	0	30	0	30	0	30	0	30
-25% Cut-off	27	3	27	3	27	3	27	3	27
Cut-off	15	15	15	15	15	14	16	14	16
+25% Cut-off	4	26	4	26	4	26	4	26	4
+50% Cut-off	0	30	0	30	0	30	0	30	0
+300% Cut-off	0	30	0	30	0	30	0	30	0

Drug Concentration	OXY 100	OXY 300	COT 200	COT 100	EDDP 300	EDDP 100	FYL 20	FYL 10
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	27	3	27	3	27	3
Cut-off	15	15	15	15	15	14	16	13
+25% Cut-off	4	26	4	26	4	26	4	26
+50% Cut-off	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30

Drug Concentration	K2 50	K2 30	6-MAM 10	MDA 500	ETG 300	ETG 500	ETG 1,000	CLO 400	CLO 150	LSD 20
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	26	4	27	3	26	4	25	5	26	4
Cut-off	15	15	16	14	15	15	15	15	14	16
+25% Cut-off	3	27	4	26	3	27	4	26	3	27
+50% Cut-off	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30

Drug Concentration	LSD 50	ZOL 50	ZOL 25	MDMA 300	THC 200	MOP/OPI 200	MEP 500	MEP 100	MDPV 1,000	ETG 1,500
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	26	4	25	5	26	4	26	4
Cut-off	14	16	14	16	15	15	15	15	15	14
+25% Cut-off	3	27	5	25	4	26	3	27	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30

Drug Concentration	MDPV 500	MDPV 300	DIA 300	DIA 200	THC 300	THC 300	K2 25	ZOP 300	ZOP 500	MCAT 500
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	25	5	26	4	27	3	27	3	26	4
Cut-off	15	15	14	16	15	15	15	15	15	14
+25% Cut-off	3	27	3	27	3	27	3	27	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30

Drug Concentration	7-ACL 300	7-ACL 200	7-ACL 100	CFYL 500	CAF 1,000	CAT 150	TRO 350	ALP 100	α-PVP 1,000
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30
-50% Cut-off	30	0	30	0	30	0	30	0	30
-25% Cut-off	26	4	27	3	27	3	25	5	26
Cut-off	14	16	14	16	13	17	14	16	13
+25% Cut-off	5	25	3	27	4	26	6	24	4
+50% Cut-off	0	30	0	30	0	30	0	30	0
+300% Cut-off	0	30	0	30	0	30	0	30	0

Drug Concentration	FYL 100	COT 300	TCA 1,000	TCA 500	TCA 300	OPI 1,000	THC 20	CAR 2,000	CAR 1,000	CAR 500
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	25	5	25	5	26	4	27	3
Cut-off	14	16	15	15	15	14	16	14	16	14
+25% Cut-off	3	27	4	26	4	26	3	27	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30

Drug Concentration	MPD 150	MPD 300	MPD 1,000	PGB 50,000	PGB 500	GAB 2,000	TZD 200	CNB 500	PAP 500
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30
-50% Cut-off	30	0	30	0	30	0	30	0	30
-25% Cut-off	26	4	27	3	26	4	25	5	25
Cut-off	15	15	16	14	16	14	15	15	15
+25% Cut-off	5	25	5	25	5	25	6	24	3
+50% Cut-off	0	30	0	30	0	30	0	30	0
+300% Cut-off	0	30	0	30	0	30	0	30	0

Drug Concentration	ABP/K3 10	ABP 25	QTP 1,000	FLX 500	KRA 300	TLD 50	α-PVP 2,000	α-PVP 500	α-PVP 300	LSD 10	HMO 500
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30
-25% Cut-off	25	5	26	4	29	1	29	1	28	2	29
Cut-off	15	15	15	15	15	15	15	15	15	15	15
+25% Cut-off	4	26	3	27	1	29	2	28	1	29	3
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0

Drug Concentration	COT 500	COT 50	COT 10	CFYL 250	FYL 200	ZAL 100	MPRD 100	TAP 1,000	CIT 1,000	FKET 1,000	FYL 300
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30
-25% Cut-off	26	4	27	3	27	3	25	5	27	3	27
Cut-off	14	16	16	14	15	15	14	16	14	16	14
+25% Cut-off	3	27	4	26	4	26	6	24	3	27	4
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0

Drug Concentration	RPD 150	SCOP 500	NND 1,000	MTZ 500	OZP 1,000	MES 300	MES 100	UR-144/K4 25	HMO 250	HMO 300
Cut-off Range	- +	- +	- +	- +	- +	- +	- +	- +	- +	- +
0% Cut-off	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	26	4	27	3	27	3	27	3
Cut-off	15	15	14	16	15	15	15	14	16	14
+25% Cut-off	4	26	3	27	4	26	4	26	3	27
+50% Cut-off	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30

Drug Concentration	GAB 500	PY 500	ALP 200
Cut-off Range	- +	- +	- +
0% Cut-off	30	0	30
-50% Cut-off	30	0	30
-25% Cut-off	25	5	27

Cut-off	17	13	15	15	15
+25% Cut-off	5	25	4	26	3
+50% Cut-off	0	30	0	30	0
+300% Cut-off	0	30	0	30	0

#### Analytical Specificity

The following table lists the concentrations of compounds (ng/mL) that are detected as positive in urine by the Multi-Drug Rapid Test at 5 minutes.

Analytes	conc. (ng/mL)	Analytes	conc. (ng/mL)
<b>ACETAMINOPHEN (ACE 5,000)</b>			
Acetaminophen	5,000		
<b>AMPHETAMINE (AMP 1,000)</b>			
D,L-Amphetamine sulfate	300	Phentermine	1,000
L-Amphetamine	25,000	Maprotiline	50,000
(±) 3,4-Methylenedioxy amphetamine	500	Methoxyphenamine	6,000
		D-Amphetamine	1,000
<b>AMPHETAMINE (AMP 500)</b>			
D,L-Amphetamine sulfate	150	Phentermine	500
L-Amphetamine	12,500	Maprotiline	25,000
(±) 3,4-Methylenedioxy amphetamine	250	Methoxyphenamine	3,000
		D-Amphetamine	500
<b>AMPHETAMINE (AMP 300)</b>			
D,L-Amphetamine sulfate	75	Phentermine	300
L-Amphetamine	10,000	Maprotiline	15,000
(±) 3,4-Methylenedioxy amphetamine	150	Methoxyphenamine	2,000
		D-Amphetamine	300
<b>BARBITURATES (BAR 300)</b>			
Amobarbital	5,000	Alphenol	600
5,5-Diphenylhydantoin	8,000	Aprobarbital	500
Allobarbital	600	Butobarbital	200
Barbital	8,000	Butalbital	8,000
Talbutal	200	Butethal	500
Cyclopentobarbital	30,000	Phenobarbital	300
Pentobarbital	8,000	Secobarbital	300
<b>BARBITURATES (BAR 200)</b>			
Amobarbital	3,000	Alphenol	400
5,5-Diphenylhydantoin	5,000	Aprobarbital	300
Allobarbital	400	Butobarbital	150
Barbital	5,000	Butalbital	5,000
Talbutal	150	Butethal	300
Cyclopentobarbital	20,000	Phenobarbital	200
Pentobarbital	5,000	Secobarbital	200
<b>BENZODIAZEPINES (BZO 500)</b>			
Alprazolam	200	Bromazepam	1,500
a-hydroxyalprazolam	2,500	Chlordiazepoxide	1,500
Clobazam	300	Nitrazepam	300
Clonazepam	800	Norchlordiazepoxide	200

Midazolam	6,000		
<b>BENZODIAZEPINES (BZO 200)</b>			
Alprazolam	70	Bromazepam	600
a-hydroxyalprazolam	1,000	Chlordiazepoxide	600
Clobazam	120	Nitrazepam	120
Clonazepam	300	Norchlordiazepoxide	70
Clorazepatedipotassium	300	Nordiazepam	600
Delorazepam	600	Oxazepam	200
Desalkylflurazepam	120	Temazepam	70
Flunitrazepam	120	Diazepam	200
(±) Lorazepam	2,000	Estazolam	4,000
RS-Lorazepamglucuronide	120	Triazolam	2,000
Midazolam	4,000		
<b>BENZODIAZEPINES (BZO 100)</b>			
Alprazolam	40	Bromazepam	300
a-hydroxyalprazolam	500	Chlordiazepoxide	300
Clobazam	60	Nitrazepam	60
Clonazepam	150	Norchlordiazepoxide	40
Clorazepatedipotassium	150	Nordiazepam	300
Delorazepam	300	Oxazepam	100
Desalkylflurazepam	60	Temazepam	40
Flunitrazepam	60	Diazepam	100
(±) Lorazepam	1,000	Estazolam	2,000
RS-Lorazepamglucuronide	60	Triazolam	1,000
Midazolam	2,000		
<b>BUPRENORPHINE (BUP 10)</b>			
Buprenorphine	10	Norbuprenorphine	50
Buprenorphine 3-D-Glucuronide	50	3-D-Glucuronide	100
<b>BUPRENORPHINE (BUP 5)</b>			
Buprenorphine	5	Norbuprenorphine	25
Buprenorphine 3-D-Glucuronide	25	3-D-Glucuronide	50
<b>COCAINE (COC 1,500)</b>			
Benzoyllecgonine	1,500	Cocaehtylene	100,000
Cocaine HCl	1,200	Ecgonine	150,000
<b>COCAINE (COC 300)</b>			
Benzoyllecgonine	300	Cocaehtylene	20,000
Cocaine HCl	200	Ecgonine	30,000
<b>COCAINE (COC 200)</b>			
Benzoyllecgonine	200	Cocaehtylene	13,500
Cocaine HCl	135	Ecgonine	20,000
<b>COCAINE (COC 150)</b>			
Benzoyllecgonine	150	Cocaehtylene	10,000
Cocaine HCl	120	Ecgonine	15,000
<b>COCAINE (COC 100)</b>			
Benzoyllecgonine	100	Cocaehtylene	7,000
Cocaine HCl	80	Ecgonine	10,000
<b>MARIJUANA (THC 300)</b>			
Cannabinol	200,000	Δ <sup>9</sup> -THC	100,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	200	Δ <sup>9</sup> -THC	100,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	300		
<b>MARIJUANA (THC 200)</b>			
Cannabinol	140,000	Δ <sup>9</sup> -THC	68,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	120	Δ <sup>9</sup> -THC	68,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	200		
<b>MARIJUANA (THC 150)</b>			
Cannabinol	100,000	Δ <sup>9</sup> -THC	50,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	100	Δ <sup>9</sup> -THC	50,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	150		
<b>MARIJUANA (THC 50)</b>			
Cannabinol	35,000	Δ <sup>9</sup> -THC	17,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	30	Δ <sup>9</sup> -THC	17,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	50		
<b>MARIJUANA (THC 30)</b>			

Cannabinol	20,000	Δ <sup>8</sup> -THC	10,000
11-nor-Δ <sup>8</sup> -THC-9 COOH	20	Δ <sup>8</sup> -THC	10,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	30		
<b>MARIJUANA (THC 25)</b>			
Cannabinol	17,500	Δ <sup>8</sup> -THC	8,500
11-nor-Δ <sup>8</sup> -THC-9 COOH	15	Δ <sup>8</sup> -THC	8,500
11-nor-Δ <sup>9</sup> -THC-9 COOH	25		
<b>MARIJUANA (THC 20)</b>			
Cannabinol	14,000	Δ <sup>8</sup> -THC	6,800
11-nor-Δ <sup>8</sup> -THC-9 COOH	12	Δ <sup>8</sup> -THC	6,800
11-nor-Δ <sup>9</sup> -THC-9 COOH	20		
<b>METHADONE (MTD 300)</b>			
Methadone	300	Doxylamine	100,000
<b>METHADONE (MTD 200)</b>			
Methadone	200	Doxylamine	65,000
<b>METHADONE (MTD 100)</b>			
Methadone	100	Doxylamine	32,500
<b>METHAMPHETAMINE (MET 1, 000)</b>			
p-Hydroxymethamphetamine	25,000	(±)-3,4-Methylenedioxy	12,500
D-Methamphetamine	1,000	-methamphetamine	
L-Methamphetamine	20,000	Mephentermine	50,000
<b>METHAMPHETAMINE (MET 500)</b>			
p-Hydroxymethamphetamine	12,500	(±)-3,4-Methylenedioxy-	6,250
D-Methamphetamine	500	methamphetamine	
L-Methamphetamine	10,000	Mephentermine	25,000
<b>METHAMPHETAMINE (MET 300)</b>			
p-Hydroxymethamphetamine	7,500	(±)-3,4-Methylenedioxy-	3,750
D-Methamphetamine	300	methamphetamine	
L-Methamphetamine	6,000	Mephentermine	15,000
<b>METHAMPHETAMINE (MET 200)</b>			
p-Hydroxymethamphetamine	5,000	(±)-3,4-Methylenedioxy-	2,500
D-Methamphetamine	200	methamphetamine	
L-Methamphetamine	4,000	Mephentermine	10,000
<b>METHYLENEDIOXYMETHAMPHETAMINE (MDMA 1, 000) Ecstasy</b>			
(±) 3,4-Methylenedioxy-	1,000	3,4-Methylenedioxyethyl-	600
methamphetamine HCl		amphetamine	
(±) 3,4-Methylenedioxyamphetamine HCl	6,000		
<b>METHYLENEDIOXYMETHAMPHETAMINE (MDMA 500) Ecstasy</b>			
(±) 3,4-Methylenedioxy-	500	3,4-Methylenedioxyethyl-	300
methamphetamine HCl		amphetamine	
(±) 3,4-Methylenedioxyamphetamine HCl	3,000		
<b>METHYLENEDIOXYMETHAMPHETAMINE (MDMA 300) Ecstasy</b>			
(±) 3,4-Methylenedioxy-	300	3,4-Methylenedioxyethyl-	180
methamphetamine HCl		amphetamine	
(±) 3,4-Methylenedioxyampheta	1,800		
mine HCl			
<b>MORPHINE (MOP/OPI 300)</b>			
Codeine	200	Norcodeine	6,000
Levorphanol	1,500	Normorphone	50,000
Morphine-3-β-D-Glucuronide	800	Oxycodone	30,000
Ethylmorphine	6,000	Oxymorphone	50,000
Hydrocodone	50,000	Procaine	15,000
Hydromorphone	3,000	Thebaine	6,000
β-Monoacetylmorphine	300	Morphine	300
<b>MORPHINE (MOP/OPI 200)</b>			
Codeine	160	Norcodeine	4,000
Levorphanol	1,000	Normorphone	40,000
Morphine-3-β-D-Glucuronide	600	Oxycodone	20,000
Ethylmorphine	4,000	Oxymorphone	40,000
Hydrocodone	40,000	Procaine	10,000
Hydromorphone	2,000	Thebaine	4,000
β-Monoacetylmorphine	200	Morphine	200
<b>MORPHINE (MOP/OPI 100)</b>			
Codeine	80	Norcodeine	2,000

Levorphanol	500	Normorphone	20,000
Morphine-3-β-D-Glucuronide	300	Oxycodone	10,000
Ethylmorphine	2,000	Oxymorphone	20,000
Hydrocodone	20,000	Procaine	5,000
Hydromorphone	1,000	Thebaine	2,000
β-Monoacetylmorphine	200	Morphine	100
<b>METHAQUALONE (MQL 300)</b>			
Methaqualone	300		
<b>MORPHINE/OPIATE (OPI 2,000)</b>			
Codeine	2,000	Morphine	2,000
Ethylmorphine	3,000	Norcodeine	25,000
Hydrocodone	50,000	Normorphone	50,000
Hydromorphone	15,000	Oxycodone	25,000
Levorphanol	25,000	Oxymorphone	25,000
β-Monoacetylmorphine	3,000	Procaine	50,000
Morphine 3-β-D-glucuronide	2,000	Thebaine	25,000
<b>MORPHINE/OPIATE (OPI 1,000)</b>			
Codeine	1,000	Morphine	1,000
Ethylmorphine	1,500	Norcodeine	12,500
Hydrocodone	25,000	Normorphone	25,000
Hydromorphone	7,500	Oxycodone	12,500
Levorphanol	12,500	Oxymorphone	12,500
β-Monoacetylmorphine	1,500	Procaine	25,000
Morphine 3-β-D-glucuronide	1,000	Thebaine	12,500
<b>MEPERIDINE (MPRD 100)</b>			
Normeperidine	100	Meperidine	100
<b>PHENCYCLIDINE (PCP 50)</b>			
Phencyclidine	50	4-Hydroxyphencyclidine	25,000
<b>PHENCYCLIDINE (PCP 25)</b>			
Phencyclidine	25	4-Hydroxyphencyclidine	12,500
<b>PROPOXYPHENE (PPX 300)</b>			
D-Propoxyphene	300	D-Norpropoxyphene	300
<b>TRICYCLIC ANTIDEPRESSANTS (TCA 1,000)</b>			
Nortriptyline	1,000	Imipramine	400
Nordoxepine	500	Clomipramine	50,000
Trimipramine	3,000	Doxepine	2,000
Amitriptyline	1,500	Maprotiline	2,000
Promazine	3,000	Promethazine	50,000
Desipramine	200	Perphenazine	50,000
Cyclobenzaprine	2,000	Dithiaden	10,000
<b>TRICYCLIC ANTIDEPRESSANTS (TCA 500)</b>			
Nortriptyline	500	Imipramine	200
Nordoxepine	250	Clomipramine	25,000
Trimipramine	1,500	Doxepine	1,000
Amitriptyline	750	Maprotiline	1,000
Promazine	1,500	Promethazine	25,000
Desipramine	100	Perphenazine	25,000
Cyclobenzaprine	1,000	Dithiaden	5,000
<b>TRICYCLIC ANTIDEPRESSANTS (TCA 300)</b>			
Nortriptyline	300	Imipramine	120
Nordoxepine	150	Clomipramine	15,000
Trimipramine	900	Doxepine	600
Amitriptyline	450	Maprotiline	600
Promazine	900	Promethazine	15,000
Desipramine	60	Perphenazine	15,000
Cyclobenzaprine	600	Dithiaden	3,000
<b>TRAMADOL (TML 100)</b>			
n-Desmethyl-cis-tramadol	200	o-Desmethyl-cis-tramadol	10,000
Cis-tramadol	100	Phencyclidine	100,000
Procyclidine	100,000	d,l-O-Desmethyl venlafaxine	50,000
<b>TRAMADOL (TML 200)</b>			
n-Desmethyl-cis-tramadol	400	o-Desmethyl-cis-tramadol	20,000
Cis-tramadol	200	Phencyclidine	200,000
Procyclidine	200,000	d,l-O-Desmethyl venlafaxine	100,000
<b>TRAMADOL (TML 300)</b>			

n-Desmethyl-cis-tramadol	600	o-Desmethyl-cis-tramadol	30,000
Cis-tramadol	300	Phencyclidine	300,000
Procyclidine	300,000	d,l-O-Desmethyl venlafaxine	150,000
<b>TRAMADOL (TML 500)</b>			
n-Desmethyl-cis-tramadol	10,00	o-Desmethyl-cis-tramadol	50,000
Cis-tramadol	500	Phencyclidine	500,000
Procyclidine	500,000	d,l-O-Desmethyl venlafaxine	250,000
<b>KETAMINE (KET 1, 000)</b>			
Ketamine	1,000	Benzphetamine	25,000
Dextromethorphan	2,000	(+) Chlorpheniramine	25,000
Methoxyphenamine	25,000	Clonidine	100,000
d-Norpropoxyphene	25,000	EDDP	50,000
Promazine	25,000	4-Hydroxyphencyclidine	50,000
Promethazine	25,000	Levorphanol	50,000
Pentazocine	25,000	MDE	50,000
Phencyclidine	25,000	Meperidine	25,000
Tetrahydrozoline	500	d-Methamphetamine	50,000
Mephentermine	25,000	l-Methamphetamine	50,000
(1R, 2S) - (-)-Ephedrine	100,000	3,4-Methylenedioxy-methamphetamine (MDMA)	100,000
Disopyramide	25,000	Thioridazine	50,000
<b>KETAMINE (KET 500)</b>			
Ketamine	500	Benzphetamine	12,500
Dextromethorphan	1,000	(+) Chlorpheniramine	12,500
Methoxyphenamine	12,500	Clonidine	50,000
d-Norpropoxyphene	12,500	EDDP	25,000
Promazine	12,500	4-Hydroxyphencyclidine	25,000
Promethazine	12,500	Levorphanol	25,000
Pentazocine	12,500	MDE	25,000
Phencyclidine	12,500	Meperidine	12,500
Tetrahydrozoline	250	d-Methamphetamine	25,000
Mephentermine	12,500	l-Methamphetamine	25,000
(1R, 2S) - (-)-Ephedrine	50,000	3,4-Methylenedioxy-methamphetamine (MDMA)	50,000
Disopyramide	12,500	Thioridazine	25,000
<b>KETAMINE (KET 300)</b>			
Ketamine	300	Benzphetamine	6,250
Dextromethorphan	600	(+) Chlorpheniramine	6,250
Methoxyphenamine	6,250	Clonidine	30,000
d-Norpropoxyphene	6,250	EDDP	15,000
Promazine	6,250	4-Hydroxyphencyclidine	15,000
Promethazine	6,250	Levorphanol	15,000
Pentazocine	6,250	MDE	15,000
Phencyclidine	6,250	Meperidine	6,250
Tetrahydrozoline	150	d-Methamphetamine	15,000
Mephentermine	6,250	l-Methamphetamine	15,000
(1R, 2S) - (-)-Ephedrine	30,000	3,4-Methylenedioxy-methamphetamine (MDMA)	30,000
Disopyramide	6,250	Thioridazine	15,000
<b>KETAMINE (KET 100)</b>			
Ketamine	100	Benzphetamine	2,000
Dextromethorphan	200	(+) Chlorpheniramine	2,000
Methoxyphenamine	2,000	Clonidine	10,000
d-Norpropoxyphene	2,000	EDDP	5,000
Promazine	2,000	4-Hydroxyphencyclidine	5,000
Promethazine	2,000	Levorphanol	5,000
Pentazocine	2,000	MDE	5,000
Phencyclidine	2,000	Meperidine	2,000
Tetrahydrozoline	50	d-Methamphetamine	5,000
Mephentermine	2,000	l-Methamphetamine	5,000
(1R, 2S) - (-)-Ephedrine	10,000	Thioridazine	5,000
Disopyramide	2,000	3,4-Methylenedioxy-methamphetamine (MDMA)	10,000
<b>OXYCODONE (OXY 300)</b>			
Oxycodone	300	Hydromorphone	150,000

Oxymorphone	900	Naloxone	75,000
Levorphanol	15,000	Naltrexone	75,000
Hydrocodone	75,000		
<b>OXYCODONE (OXY 100)</b>			
Oxycodone	100	Hydromorphone	50,000
Oxymorphone	300	Naloxone	25,000
Levorphanol	50,000	Naltrexone	25,000
Hydrocodone	25,000		
<b>COTININE (COT 300)</b>			
(-)-Cotinine	300	(-)-Nicotine	7,500
<b>COTININE (COT 200)</b>			
(-)-Cotinine	200	(-)-Nicotine	5,000
<b>COTININE (COT 100)</b>			
(-)-Cotinine	100	(-)-Nicotine	2,500
<b>COTININE (COT 500)</b>			
(-)-Cotinine	500	(-)-Nicotine	12,500
<b>COTININE (COT 50)</b>			
(-)-Cotinine	50	(-)-Nicotine	1,250
<b>COTININE (COT 10)</b>			
(-)-Cotinine	10	(-)-Nicotine	250
<b>2-ETHYLIDENE-1,5-DIMETHYL-3,3-DIPHENYLPYRROLIDINE (EDDP 300)</b>			
2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)			300
<b>2-ETHYLIDENE-1,5-DIMETHYL-3,3-DIPHENYLPYRROLIDINE (EDDP 100)</b>			
2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)			100
<b>FENTANYL (FYL 300)</b>			
Fentanyl	300	Methoxyacetyl-Fentanyl	600
Cyclopro Fentanyl	7,500	Acetyl Fentanyl	600
Norfentanyl	>100,000	Ocfentanil	3,000
(±)cis-3-Methylfentanyl	7,500	4-Fluoro-isobutyl Fentanyl	3,000
Butyl fentanyl	4,500	para-Fluorobutyl fentanyl (PBPF)	3,000
Valeryl Fentanyl	3,000	para-Fluorofentanil	1,500
<b>FENTANYL (FYL 200)</b>			
Fentanyl	200	Methoxyacetyl-Fentanyl	400
Cyclopro Fentanyl	5,000	Acetyl Fentanyl	400
Norfentanyl	>100,000	Ocfentanil	2,000
(±)cis-3-Methylfentanyl	5,000	4-Fluoro-isobutyl Fentanyl	2,000
Butyl fentanyl	3,000	para-Fluorobutyl fentanyl (PBPF)	2,000
Valeryl Fentanyl	2,000	para-Fluorofentanil	1,000
<b>FENTANYL (FYL 100)</b>			
Fentanyl	100	Methoxyacetyl-Fentanyl	200
Cyclopro Fentanyl	2,500	Acetyl Fentanyl	200
Norfentanyl	>100,000	Ocfentanil	1,000
(±)cis-3-Methylfentanyl	2,500	4-Fluoro-isobutyl Fentanyl	1,000
Butyl fentanyl	1,500	para-Fluorobutyl fentanyl (PBPF)	1,000
Valeryl Fentanyl	1,000	para-Fluorofentanil	500
<b>FENTANYL (FYL 20)</b>			
Fentanyl	20	Methoxyacetyl-Fentanyl	40
Cyclopro Fentanyl	500	Acetyl Fentanyl	40
Norfentanyl	>100,000	Ocfentanil	200
(±)cis-3-Methylfentanyl	500	4-Fluoro-isobutyl Fentanyl	200
Butyl fentanyl	300	para-Fluorobutyl fentanyl (PBPF)	200
Valeryl Fentanyl	200	para-Fluorofentanil	100
<b>FENTANYL (FYL 10)</b>			
Fentanyl	10	Methoxyacetyl-Fentanyl	20
Cyclopro Fentanyl	250	Acetyl Fentanyl	20
Norfentanyl	>100,000	Ocfentanil	100
(±)cis-3-Methylfentanyl	250	4-Fluoro-isobutyl Fentanyl	100
Butyl fentanyl	150	para-Fluorobutyl fentanyl (PBPF)	100
Valeryl Fentanyl	100	para-Fluorofentanil	50
<b>SYNTHETIC MARIJUANA (K2-50)</b>			

JWH-018 5-Pentanoic acid	50	JWH-073 4-butanoic acid	50
JWH-018 4-Hydroxypentyl	400	JWH-018 5-Hydroxypentyl	500
JWH-073 4-Hydroxybutyl	500		
<b>SYNTHETIC MARIJUANA (K2-30)</b>			
JWH-018 5-Pentanoic acid	30	JWH-073 4-butanoic acid	30
JWH-018 4-Hydroxypentyl	250	JWH-018 5-Hydroxypentyl	300
JWH-073 4-Hydroxybutyl	300		
<b>SYNTHETIC MARIJUANA (K2-25)</b>			
JWH-018 5-Pentanoic acid	25	JWH-073 4-butanoic acid	25
JWH-018 4-Hydroxypentyl	200	JWH-018 5-Hydroxypentyl	250
JWH-073 4-Hydroxybutyl	250		
<b>6-MONOACETYLMORPHINE (6-MAM 10)</b>			
6-Monoacetylmorphine	10	Morphine	100,000
<b>(±) 3, 4-METHYLENEDIOXYAMPHETAMINE (MDA 500)</b>			
(±) 3,4-Methylenedioxyamphetamine	500	Methoxyphenamine	6,000
		D-Amphetamine	2,000
D,L-Amphetamine sulfate	300	Phentermine	1,000
L-Amphetamine	25,000	Maprotiline	50,000
<b>ETHYL-β-D-GLUCURONIDE (ETG 300)</b>			
Ethyl-β-D-Glucuronide	300	Propyl β-D-glucuronide	30,000
Morphine 3β-glucuronide	60,000	Morphine 6β-glucuronide	60,000
Glucuronic Acid	60,000	Ethanol	>100,000
Methanol	>100,000		
<b>ETHYL-β-D-GLUCURONIDE (ETG 500)</b>			
Ethyl-β-D-Glucuronide	500	Propyl β-D-glucuronide	50,000
Morphine 3β-glucuronide	100,000	Morphine 6β-glucuronide	100,000
Glucuronic Acid	100,000	Ethanol	>100,000
Methanol	>100,000		
<b>ETHYL-β-D-GLUCURONIDE (ETG 1,000)</b>			
Ethyl-β-D-Glucuronide	1,000	Propyl β-D-glucuronide	100,000
Morphine 3β-glucuronide	>100,000	Morphine 6β-glucuronide	>100,000
Glucuronic Acid	>100,000	Ethanol	>100,000
Methanol	>100,000		
<b>ETHYL-β-D-GLUCURONIDE (ETG 1,500)</b>			
Ethyl-β-D-Glucuronide	1,500	Propyl β-D-glucuronide	150,000
Morphine 3β-glucuronide	>100,000	Morphine 6β-glucuronide	>100,000
Glucuronic Acid	>100,000	Ethanol	>100,000
Methanol	>100,000		
<b>CLONAZEPAM (CLO 400)</b>			
Clonazepam	400	Flunitrazepam	300
Alprazolam	200	(±) Lorazepam	1,250
a-hydroxyalprazolam	2,000	RS-Lorazepamglucuronide	250
Bromazepam	1,000	Midazolam	5,000
Chlordiazepoxide	1,000	Nitrazepam	200
Clobazam	250	Norchlordiazepoxide	200
Clorazepatedipotassium	600	Nordiazepam	1,000
Delorazepam	1,000	Oxazepam	350
Desalkylflurazepam	250	Temazepam	150
Diazepam	300	Triazolam	5,000
Estazolam	1,250		
<b>CLONAZEPAM (CLO 150)</b>			
Clonazepam	150	Flunitrazepam	120
Alprazolam	75	(±) Lorazepam	500
a-hydroxyalprazolam	750	RS-Lorazepamglucuronide	100
Bromazepam	400	Midazolam	2,000
Chlordiazepoxide	400	Nitrazepam	75
Clobazam	100	Norchlordiazepoxide	75
Clorazepatedipotassium	250	Nordiazepam	400
Delorazepam	400	Oxazepam	130
Desalkylflurazepam	100	Temazepam	60
Diazepam	120	Triazolam	2,000
Estazolam	500		
<b>LYSERGIC ACID DIETHYLAMIDE (LSD 10)</b>			
Lysergic Acid Diethylamide	10		
<b>LYSERGIC ACID DIETHYLAMIDE (LSD 20)</b>			

Lysergic Acid Diethylamide	20		
<b>LYSERGIC ACID DIETHYLAMIDE (LSD 50)</b>			
Lysergic Acid Diethylamide	50		
<b>METHYLPHENIDATE (MPD 300)</b>			
Methylphenidate (Ritalin)	300	Ritalinic Acid	1,000
<b>METHYLPHENIDATE (MPD 150)</b>			
Methylphenidate (Ritalin)	150	Ritalinic Acid	500
<b>METHYLPHENIDATE (MPD 1,000)</b>			
Methylphenidate (Ritalin)	350	Ritalinic Acid	1,000
<b>ZOLPIDEM (ZOL 50)</b>			
Zolpidem	50		
<b>ZOLPIDEM (ZOL 25)</b>			
Zolpidem	25		
<b>MEPHEDRONE (MEP 500)</b>			
Mephedrone HCl	500	R(+)-Methcathinone HCl	7,500
S(-)-Methcathinone HCl	2,500	3-Fluoromethcathinone HCl	7,500
4-Fluoromethcathinone HCl	1,500	Methoxyphenamine	100,000
<b>MEPHEDRONE (MEP 100)</b>			
Mephedrone HCl	100	R(+)-Methcathinone HCl	1,500
S(-)-Methcathinone HCl	500	3-Fluoromethcathinone HCl	1,500
4-Fluoromethcathinone HCl	300	Methoxyphenamine	100,000
<b>3, 4-METHYLENEDIOXYPYROVALERONE (MDPV 1,000)</b>			
3, 4-methylenedioxypropylvalerone	1,000		
<b>3, 4-METHYLENEDIOXYPYROVALERONE (MDPV 500)</b>			
3, 4-methylenedioxypropylvalerone	500		
<b>3, 4-METHYLENEDIOXYPYROVALERONE (MDPV 300)</b>			
3, 4-methylenedioxypropylvalerone	300		
<b> DIAZEPAM (DIA 300)</b>			
Diazepam	300	Midazolam	6,000
Clobazam	200	Nitrazepam	200
Clonazepam	500	Norchlordiazepoxide	100
Clorazepate dipotassium	500	Nordiazepam	900
Alprazolam	100	Flunitrazepam	200
a-hydroxyalprazolam	1,500	(±) Lorazepam	3,000
Bromazepam	900	RS-Lorazepam glucuronide	200
Chlordiazepoxide	900	Triazolam	3,000
Estazolam	6,000	Temazepam	100
Delorazepam	900	Oxazepam	300
Desalkylflurazepam	200		
<b> DIAZEPAM (DIA 200)</b>			
Diazepam	200	Midazolam	4,000
Clobazam	120	Nitrazepam	120
Clonazepam	300	Norchlordiazepoxide	70
Clorazepate dipotassium	300	Nordiazepam	600
Alprazolam	70	Flunitrazepam	120
a-hydroxyalprazolam	1,000	(±) Lorazepam	2,000
Bromazepam	600	RS-Lorazepam glucuronide	120
Chlordiazepoxide	600	Triazolam	2,000
Estazolam	4,000	Temazepam	70
Delorazepam	600	Oxazepam	200
Desalkylflurazepam	120		
<b> ZOPICLONE (ZOP 300)</b>			
Zopiclone-x-oxide	300	Zopiclone	300
<b> ZOPICLONE (ZOP 50)</b>			
Zopiclone-x-oxide	50	Zopiclone	50
<b> METHCATHINONE (MCAT 500)</b>			
S(-)-Methcathinone HCl	500	R(+)-Methcathinone HCl	1,500
Methoxyphenamine	100,000	3-Fluoromethcathinone HCl	1,500
<b> 7-AMINOCLONAZEPAM (7-ACL 300)</b>			
a-hydroxyalprazolam	6,000	Flunitrazepam	3,000
Bromazepam	6,000	RS-Lorazepam glucuronide	2,700
Chlordiazepoxide	6,000	Norchlordiazepoxide	4,500
Clobazam	9,000	Nordiazepam	15,000
Clonazepam	2,400	Temazepam	9,000
Delorazepam	6,000	7-Aminoclonazepam	300

Desalkylflurazepam	6,000		
<b> 7-AMINOCLONAZEPAM (7-ACL 200)</b>			
a-hydroxyalprazolam	4,000	Flunitrazepam	2,000
Bromazepam	4,000	RS-Lorazepam glucuronide	1,800
Chlordiazepoxide	4,000	Norchlordiazepoxide	3,000
Clobazam	6,000	Nordiazepam	10,000
Clonazepam	1,600	Temazepam	6,000
Delorazepam	4,000	7-Aminoclonazepam	200
Desalkylflurazepam	4,000		
<b> 7-AMINOCLONAZEPAM (7-ACL 100)</b>			
a-hydroxyalprazolam	2,000	Flunitrazepam	1,000
Bromazepam	2,000	RS-Lorazepam glucuronide	900
Chlordiazepoxide	2,000	Norchlordiazepoxide	1,500
Clobazam	3,000	Nordiazepam	5,000
Clonazepam	800	Temazepam	3,000
Delorazepam	2,000	7-Aminoclonazepam	100
Desalkylflurazepam	2,000		
<b> CARFENTANYL (CFYL 500)</b>			
Carfentanyl	500	Fentanyl	100
Sufentanil	50,000	Ramifentanil	10,000
(±)cis-3-Menthylfentanyl	20,000	Butyl fentanyl	150
<b> CARFENTANYL (CFYL 250)</b>			
Carfentanyl	250	Fentanyl	50
Sufentanil	25,000	Ramifentanil	5,000
(±)cis-3-Menthylfentanyl	10,000	Butyl fentanyl	75
<b> CAFFEINE (CAF 1,000)</b>			
Caffeine	1,000		
<b> CATHINE (CAT 150)</b>			
(+)-Norpseudoephedrine HCl (Cathine)	150	(+)-3,4-Methylenedioxyamphetamine (MDA)	100
d/l-Amphetamine	100	p-Hydroxyamphetamine	100
Tryptamine	12,500	Methoxyphenamine	12,500
<b> TROPICAMIDE (TRO 350)</b>			
Tropicamide	350		
<b> ALPRAZOLAM (ALP 100)</b>			
Benzodiazepines	300	Flunitrazepam	200
a-hydroxyalprazolam	1,500	(±) Lorazepam	3,000
Bromazepam	900	RS-Lorazepamglucuronide	200
Chlordiazepoxide	900	Midazolam	6,000
Clobazam	200	Nitrazepam	200
Clonazepam	500	Norchlordiazepoxide	100
Clorazepatedipotassium	500	Nordiazepam	900
Delorazepam	900	Oxazepam	300
Desalkylflurazepam	200	Temazepam	100
Diazepam	300	Triazolam	3,000
Estazolam	6,000	Alprazolam	100
<b> ALPRAZOLAM (ALP 200)</b>			
Benzodiazepines	600	Flunitrazepam	400
a-hydroxyalprazolam	3,000	(±) Lorazepam	6,000
Bromazepam	1,800	RS-Lorazepamglucuronide	400
Chlordiazepoxide	1,800	Midazolam	12,000
Clobazam	400	Nitrazepam	400
Clonazepam	1,000	Norchlordiazepoxide	200
Clorazepatedipotassium	1,000	Nordiazepam	1,800
Delorazepam	1,800	Oxazepam	600
Desalkylflurazepam	400	Temazepam	200
Diazepam	600	Triazolam	6,000
Estazolam	12,000	Alprazolam	200
<b> PREGABALIN (PGB 50,000)</b>			
Pregabalin	50,000		
<b> PREGABALIN (PGB 500)</b>			
Pregabalin	500		
<b> ZALEPLON (ZAL 100)</b>			
Zaleplon	100		
<b> CANNABINOL (CNB 500)</b>			

cannabinol	500	Δ <sup>9</sup> -THC	10,000
11-nor-Δ <sup>9</sup> -THC-9 COOH	300		
<b> GABAPENTIN (GAB 2,000)</b>			
Gabapentin	2,000		
<b> GABAPENTIN (GAB 500)</b>			
Gabapentin	500		
<b> TRAZODONE (TZD 200)</b>			
Trazodone	200		
<b> CARISOPRODOL (CAR 2,000)</b>			
Carisoprodol	2,000		
<b> CARISOPRODOL (CAR 1,000)</b>			
Carisoprodol	1,000		
<b> CARISOPRODOL (CAR 500)</b>			
Carisoprodol	500		
<b> AB-PINACA/K3 (ABP/K3 10)</b>			
AB-PINACA	10	AB-PINACA 5-Pentanoic	10
AB-PINACA 5-hydroxypentyl	10	AB-FUBINACA	10
AB-PINACA 4-hydroxypentyl	10,000	UR-144 5-Pentanoic	5,000
UR-144 5-hydroxypentyl	10,000	UR-144 4-hydroxypentyl	10,000
APINACA 5-hydroxypentyl	10,000	ADB-PINACA Pentanoic Acid	10
ADB-PINACA N-(5-hydroxypentyl)	30	5-fluoro AB-PINACA N-(4-hydroxypentyl)	30
5-fluoro AB-PINACA	25		
<b> AB-PINACA/K3 (ABP/K3 25)</b>			
AB-PINACA	25	AB-PINACA 5-Pentanoic	25
AB-PINACA 5-hydroxypentyl	25	AB-FUBINACA	25
AB-PINACA 4-hydroxypentyl	25,000	UR-144 5-Pentanoic	12,500
UR-144 5-hydroxypentyl	25,000	UR-144 4-hydroxypentyl	25,000
APINACA 5-hydroxypentyl	25,000	ADB-PINACA Pentanoic Acid	25
ADB-PINACA N-(5-hydroxypentyl)	75	5-fluoro AB-PINACA N-(4-hydroxypentyl)	75
5-fluoro AB-PINACA	62.5		
<b> UR-144/K4 (25)</b>			
UR-144 5-Pentanoic acid	25	UR-144 4-hydroxypentyl	10,000
UR-144 5-hydroxypentyl	5,000	XLR-11 4-hydroxypentyl	2,000
5-fluoro AB-Pinaca N-(4-hydroxypentyl)	10,000	ADB-PINAC N-(4-hydroxypentyl)	>10,000
AB-PINACA 4-hydroxypentyl	>10,000		
<b> QUETIAPINE (QTP 1,000)</b>			
Quetiapine	1,000	Norquetiapine	10,000
<b> FLUOXETINE (FLX 500)</b>			
Fluoxetine	500		
<b> KRATOM (KRA 300)</b>			
Mitragynine	300	7-hydroxymitragynine	>50,000
<b> TILIDINE (TLD 50)</b>			
Nortilidine	50	Tilidine	100
<b> ALPHA-PYRROLIDINOVALEROPHENONE (α-PVP 2,000)</b>			
Alpha-Pyrrolidinovaleerophenone	2,000		
<b> ALPHA-PYRROLIDINOVALEROPHENONE (α-PVP 1,000)</b>			
Alpha-Pyrrolidinovaleerophenone	1,000		
<b> ALPHA-PYRROLIDINOVALEROPHENONE (α-PVP 500)</b>			
Alpha-Pyrrolidinovaleerophenone	500		
<b> ALPHA-PYRROLIDINOVALEROPHENONE (α-PVP 300)</b>			
Alpha-Pyrrolidinovaleerophenone	300		
<b> Mescaline (MES 100)</b>			
Mescaline	100		
<b> Mescaline (MES 300)</b>			
Mescaline	300		
<b> PAPAVERINE (PAP 500)</b>			
Papaverine	500	Difunisol	1,000,000
Methortrexate	65,000	Methedrone	500,000
Pragablin	500,000	Phenelzine	8,000
Quinine	4,000		

TAPENTADOL (TAP 1,000)			
3-((1R,2R)-3-(dimethylamino)-1-ethyl-2-methylpropyl)phenol	1,000		
CITALOPRAM (CIT 500)			
Desmethylcitalopram	500		
F-KETAMINE (FKET 1,000)			
2-(2-fluorophenyl)-2-methylamino-cyclohexanone	1,000		
RISPERIDONE (RPD 150)			
Risperidone	150		
SCOPOLAMINE (SCOP 500)			
Scopolamine	500	Atropine	3,000
N, N-DIMETHYLTRYPTAMINE (NND 1,000)			
N, N-Dimethyltryptamine	1,000		
MIRTAZAPINE (MTZ 500)			
N-Desmethylmirtazapine	500	Mirtazapine	500
OLANZAPINE (OZP 1,000)			
Olanzapine	1,000		
HYDROMORPHONE (HMO 500)			
Hydromorphone	500	Morphine	200
Codeine	120	Ethylmorphine	120
Hydrocodone	500	Morphine 3-β-D-Glucuronide	250
Levorphanol	2,000	Oxycodone	125,000
Normorphine	125,000	Norcodeine	31,200
Oxymorphone	125,000	Nalorphine	50,000
Thebaine	10,000	Diacetylmorphine (Heroin)	250
6-Monoacetylmorphine	120		
HYDROMORPHONE (HMO 300)			
Hydromorphone	300	Morphine	120
Codeine	75	Ethylmorphine	75
Hydrocodone	300	Morphine 3-β-D-Glucuronide	150
Levorphanol	1,200	Oxycodone	75,000
Normorphine	75,000	Norcodeine	18,700
Oxymorphone	75,000	Nalorphine	30,000
Thebaine	6,000	Diacetylmorphine (Heroin)	150
6-Monoacetylmorphine	75		
HYDROMORPHONE (HMO 250)			
Hydromorphone	250	Morphine	100
Codeine	60	Ethylmorphine	60
Hydrocodone	250	Morphine 3-β-D-Glucuronide	125
Levorphanol	1,000	Oxycodone	62,500
Normorphine	62,500	Norcodeine	15,600
Oxymorphone	62,500	Nalorphine	25,000
Thebaine	5,000	Diacetylmorphine (Heroin)	125
6-Monoacetylmorphine	60		
PSILOCYBIN (PY)			
Psilocin	500		

#### Effect of Urinary Specific Gravity

Fifteen (15) urine samples of normal, high and low specific gravity ranges (1.005-1.045) were spiked with drugs at 50% below and 50% above cut-off levels respectively. The Multi-Drug Rapid Test 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 Multi-Drug Rapid Test. 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 above related calibrator substances. The following compounds show no cross-reactivity when tested with the Multi-Drug Rapid Test at a concentration of 100 µg/mL.

#### Non Cross-Reacting Compounds

Acetophenetidin	Cortisone	Zomepirac	Quinidine
N-Acetylprocainamide	Creatinine	Ketoprofen	Quinine
Acetylsalicylic acid	Deoxycorticosterone	Labetalol	Salicylic acid
Aminopyrine	Dextromethorphan	Loperamide	Serotonin
Amoxicillin	Diclofenac	Meprobamate	Sulfamethazine
Ampicillin	Diflunisal	Isoxsuprine	Sulindac
l-Ascorbic acid	Digoxin	d,l-Propranolol	Tetracycline
Apomorphine	Diphenhydramine	Nalidixic acid	Tetrahydrocortisone, 3-acetate
Aspartame	Ethyl-p-aminobenzoate	Naproxen	Tetrahydrocortisone
Atropine	β-Estradiol	Niacinamide	Tetrahydrozoline
Benzilic acid	Estrone-3-sulfate	Nifedipine	Thiamine
Benzoic acid	Erythromycin	Norethindrone	Thioridazine
Bilirubin	Fenoprofen	Noscapine	d,l-Tyrosine
d,l-Brompheniramine	Furosemide	d,l-Octopamine	Tolbutamide
Cannabidiol	Gentisic acid	Oxalic acid	Triamterene
Chloral hydrate	Hemoglobin	Oxolinic acid	Trifluoperazine
Chloramphenicol	Hyalalazine	Oxymetazoline	Trimethoprim
Chlorothiazide	Hydrochlorothiazide	Penicillin-G	d,l-Tryptophan
d,l-Chlorpheniramine	Hydrocortisone	Perphenazine	Uric acid
Chlorpromazine	o-Hydroxyhippuric acid	Phenelzine	Verapamil
Cholesterol	3-Hydroxytyramine	Prednisone	
Clonidine	d,l-Isoproterenol		

#### 【ALCOHOL PERFORMANCE CHARACTERISTICS】

The detection limit on the **Urine Alcohol Rapid Test** is from 0.02% to 0.30% for approximate relative blood alcohol level. The cutoff level of the **Urine Alcohol Rapid Test** can vary based on local regulations and laws. Test results can be compared to reference levels with color chart on the foil package.

#### 【ALCOHOL ASSAY SPECIFICITY】

The **Urine Alcohol Rapid Test** will react with methyl, ethyl and allyl alcohols.

#### 【ALCOHOL INTERFERING SUBSTANCES】

The following substances may interfere with the **Urine Alcohol Rapid Test** when using samples other than urine. The named substances do not normally appear in sufficient quantity in urine to interfere with the test.

- A. Agents which enhance color development
- Peroxidases
  - Strong oxidizers
- B. Agents which inhibit color development
- Reducing agents: Ascorbic acid, Tannic acid, Pyrogallol, Mercaptans and tosylates, Oxalic acid, Uric Acid
  - Bilirubin
  - L-dopa
  - L-methyl dopa
  - Methampyrone

#### 【GHB ASSAY SPECIFICITY】

Detect whether the following compounds with similar structures cross-react. None of the compounds tested produced a GHB depth of 10 µg/ml at a concentration of 500 µg/ml, and the calculated cross reactivity was expected

compounds	Cross reaction percentage
GHB	100%
1,4-butanediol	<2%
γ butyrolactone	<2%
Succinate hemialdehyde	<2%
Gabapentin	<2%
α hydroxymannobulatone	<2%

#### 【GHB INTERFERING SUBSTANCES】










The following substances may interfere with the **Urine GHB Rapid Test** when using samples other than urine. The named substances do not normally appear in sufficient quantity in urine to interfere with the test.

- A. Agents which enhance color development
- Alcohol
  - Ascorbic acid >100mg/dl
- B. Agents which inhibit color development
- Disodium EDTA
  - Potassium Oxalate

#### 【BIBLIOGRAPHY】

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5. Baselt RC. Disposition of Toxic Drugs and Chemicals in Man. 6th Ed. Biomedical Publ., Foster City, CA 2002.

#### Index of Symbols

	Consult instructions for use		Contains sufficient for <n> test		Do not use if package is damaged and consult instructions for use
	Catalogue number		Use-by date		Do not reuse
	Store between 2-30 °C		Batch code		Manufacturer

#### Manufactured for:

Medical Distribution Group Inc.  
3135 Lakewood Ranch Blvd Suite 111  
Bradenton, FL 34211  
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