

Multi-Drug Rapid Test Panel (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/CLO/LSD/MPD/ZOL

A rapid test for the simultaneous, qualitative detection of multiple drugs and drug metabolites in human urine. For healthcare professionals including professionals at point of care sites. Immunoassay for in vitro diagnostic use only.

[INTENDED USE]

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

Test	Calibrator	Cut-off (ng/mL)
Acetaminophen (ACE 5,000)	Acetaminophen	5,000
Amphetamine (AMP1,000)	d-Amphetamine	1,000
Amphetamine (AMP 500)	d-Amphetamine	500
Amphetamine (AMP 300)	d-Amphetamine	300
Barbiturates (BAR 300)	Secobarbital	300
Barbiturates (BAR 200)	Secobarbital	200
Benzodiazepines (BZO 500)	Oxazepam	500
Benzodiazepines (BZO 300)	Oxazepam	300
Benzodiazepines (BZO 200)	Oxazepam	200
Benzodiazepines (BZO 100)	Oxazepam	100
Buprenorphine (BUP 10)	Buprenorphine	10
Buprenorphine (BUP 5)	Buprenorphine	5
Cocaine (COC 300)	Benzoylecgonine	300
Cocaine (COC 200)	Benzoylecgonine	200
Cocaine (COC 150)	Benzoylecgonine	150
Cocaine (COC 100)	Benzoylecgonine	100
Marijuana (THC150)	11-nor-Δ9-THC-9 COOH	150
Marijuana (THC 50)	11-nor-Δ9-THC-9 COOH	50
Marijuana (THC 25)	11-nor-Δ9-THC-9 COOH	25
Methadone (MTD 300)	Methadone	300
Methadone (MTD 200)	Methadone	200
Methamphetamine (MET 1,000)	d-Methamphetamine	1,000
Methamphetamine (MET 500)	d-Methamphetamine	500
Methamphetamine (MET 300)	d-Methamphetamine	300
Methylenedioxymethamphetamine (MDMA 500)	d,I-Methylenedioxymethamphetami ne	500
Methylenedioxymethamphetamine (MDMA 1,000)	d,l-Methylenedioxymethamphetami ne	1,000
Morphine (MOP 300)	Morphine	300
Morphine (MOP 100)	Morphine	100
Methagualone(MQL)	Methaqualone	300
Opiate (OPI 2,000)	Morphine	2,000
Phencyclidine (PCP)	Phencyclidine	25
Propoxyphene (PPX)	Propoxyphene	300
Tricyclic Antidepressants (TCA)	Nortriptyline	1,000
Tramadol (TML 100)	Cis-Tramadol	100
Tramadol (TML 200)	Cis-Tramadol	200
Tramadol (TML 300)	Cis-Tramadol	300
Ketamine (KET 1,000)	Ketamine	1,000
Ketamine (KET 500)	Ketamine	500
Ketamine (KET 300)	Ketamine	300
Ketamine (KET100)	Ketamine	100
Oxycodone (OXY)	Oxycodone	100
Cotinine(COT200)	Cotinine	200
Cotinine(COT100)	Cotinine	100
2-ethylidene-1,5-dimethyl-	2-ethylidene-1,5-dimethyl-	
3,3-diphenylpyrrolidine (EDDP300)	3,3-diphenylpyrrolidine	300
2-ethylidene-1,5-dimethyl-	2-ethylidene-1,5-dimethyl-	100
3,3-diphenylpyrrolidine (EDDP100) Fentanyl(FYL20)	3,3-diphenylpyrrolidine Norfentanyl	20
Fentanyi(FYL20) Fentanyi(FYL10)	· · · · · · · · · · · · · · · · · · ·	10
, ()	Norfentanyl JWH-018、JWH-073	50
Synthetic Marijuana (K2-50)		
Synthetic Marijuana (K2-30) 6-mono-aceto-morphine	JWH-018、JWH-073	30
o-mono-aceto-morphine (6-MAM10)	6-MAM	10

(±) 3,4-Methylenedioxy- Amphetamine(MDA500)	(±) 3,4-Methylenedioxy- Amphetamine	500
Ethyl- β-D-Glucuronide(ETG500)	Ethyl- β -D-Glucuronide	500
Ethyl- β-D-Glucuronide(ETG1,000)	Ethyl- β -D-Glucuronide	1,000
Clonazepam(CLO 400)	Clonazepam	400
Clonazepam(CLO 150)	Clonazepam	150
Lysergic Acid Diethylamide (LSD)	Lysergic Acid Diethylamide	20
Lysergic Acid Diethylamide (LSD)	Lysergic Acid Diethylamide	50
Methylphenidate (MPD)	Ritalinic Acid	1,000
Zolpidem(ZOL)	Zolpidem	50

Configurations of the Multi-Drug Rapid Test Panel come with any combination of the above listed drug analytes with or without S.V.T. This assay provides only a preliminary analytical 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]

The Multi-Drug Rapid Test Panel is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes monoclonal antibodies to selectively detect elevated levels of specific drugs in urine.

Acetaminophen (ACE)

Acetaminophen is one of the most commonly used drugs, yet it is also an important cause of serious liver injury. Acetaminophen is the generic name of a drug found in many common brand name over-the-counter (OTC) products, such as Tylenol, and Prescription (Rx) products, such as Vicodin and Percocet. Acetaminophen is an important drug, and its effectiveness in relieving pain and fever is widely known. Unlike other commonly used drugs to reduce pain and fever (e.g., non steroidalant inflammatory drugs (NSAIDs), such as aspirin, ibuprofen, and naproxen), at recommended doses acetaminophen does not cause adverse effects, such as stomach discomfort and bleeding, and acetaminophen is considered safe when used according to the directions on its OTC or Rx labeling. However, taking more than the recommended amount can cause liver damage, ranging from abnormalities in liver function blood tests, to acute liver failure, and even death. Many cases of overdose are caused by patients inadvertently taking more than the recommended dose (i.e., 4 grams a day) of a particular product, or by taking more than one product containing acetaminophen (e.g., an OTC product and an Rx drug containing acetaminophen). The mechanism of liver injury is not related to acetaminophen itself, but to the production of a toxic metabolite. The toxic metabolite binds with liver proteins, which cause cellular injury. The ability of the liver to remove this metabolite before it binds to liver protein influences the extent of liver injury.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Acetaminophen in urine exceeds 5,000ng/mL.

Amphetamine (AMP)

Amphetamine is a Schedule II controlled substance available by prescription (Dexedrine®) and is also available on the illicit market. Amphetamines are a class of potent sympathomimetic agents with therapeutic applications. They are chemically related to the human body's natural catecholamines: epinephrine and norepinephrine. Acute higher doses lead to enhanced stimulation of the central nervous system (CNS) and induce euphoria, alertness, reduced appetite, and a sense of increased energy and power. Cardiovascular responses to amphetamines include increased blood pressure and cardiac arrhythmias. More acute responses produce anxiety, paranoia, hallucinations, and psychotic behavior. The effects of Amphetamines generally last 2-4 hours following use and the drug has a half-life of 4-24 hours in the body. About 30% of amphetamines are excreted in the urine in unchanged form, with the remainder as hydroxylated and deaminated derivatives.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of amphetamines in urine exceeds detective level.

Barbiturates (BAR)

Barbiturates are CNS depressants. They are used therapeutically as sedatives, hypnotics, and anticonvulsants barbiturates are almost always taken orally as capsules or tablets. The effects resemble those of intoxication with alcohol. Chronic use of barbiturates leads to tolerance and

Short-acting barbiturates taken at 400 mg/day for 2-3 months can produce a clinically significant degree of physical dependence. Withdrawal symptoms experienced during periods of drug abstinence can be severe enough to cause death

Only a small amount (less than 5%) of most barbiturates are excreted unaltered in the urine.

The approximate detection time limits for barbiturates are:

100 mg PO (oral) Short acting (e.g. Secobarbital) 4.5 days Long acting (e.g. Phenobarbital) 400 mg PO (oral) 7 days2

The Multi-Drug Rapid Test Panel vields a positive result when the concentration of barbiturates in urine exceeds detective level.

Benzodiazenines (BZO)

Benzodiazepines are medications that are frequently prescribed for the symptomatic treatment of anxiety and sleep disorders. They produce their effects via specific receptors involving a neurochemical called gamma aminobutyric acid (GABA). Because they are safer and more effective, benzodiazepines have replaced barbiturates in the treatment of both anxiety and insomnia. Benzodiazepines are also used as sedatives before some surgical and medical procedures, and for the treatment of seizure disorders and alcohol withdrawal.

Risk of physical dependence increases if benzodiazepines are taken regularly (e.g., daily) for more than a few months, especially at higher than normal doses. Stopping abruptly can bring on such symptoms as trouble sleeping, gastrointestinal upset, feeling unwell, loss of appetite, sweating, trembling, weakness, anxiety and changes in perception.

Only trace amounts (less than 1%) of most benzodiazepines are excreted unaltered in the urine; most of the concentration in urine is conjugated drug. The detection period for benzodiazepines in urine is 3-7 days.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of

benzodiazepines in urine exceeds detective level

Buprenorphine (BUP)

Buprenorphine is a potent analgesic often used in the treatment of opioid addiction. The drug is sold under the trade names Subutex™. Buprenex™. Temgesic™ and Suboxone™. which contain Buprenorphine HCI alone or in combination with Naloxone HCI. Therapeutically, Buprenorphine is used as a substitution treatment for opioid addicts. Substitution treatment is a form of medical care offered to opiate addicts (primarily heroin addicts) based on a similar or identical substance to the drug normally used. In substitution therapy, Buprenorphine is as effective as Methadone but demonstrates a lower level of physical dependence. Concentrations of free Buprenorphine and Norbuprenorphine in urine may be less than 1 ng/ml after therapeutic administration, but can range up to 20 ng/ml in abuse situations. The plasma half -life of Buprenorphine is 2-4 hours. While complete elimination of a single dose of the drug can take as long as 6 days, the window of detection for the parent drug in urine is thought to be approximately 3 days.

Substantial abuse of Buprenorphine has also been reported in many countries where various forms of the drug are available. The drug has been diverted from legitimate channels through theft, doctor shopping, and fraudulent prescriptions, and been abused via intravenous, sublingual, intranasal and inhalation routes.

The Multi-Drug Rapid Test Panel yields a positive result when the Buprenorphine in urine exceeds detective level.

Cocaine(COC)

Cocaine is a potent central nervous system stimulant and a local anesthetic. Initially, it brings about extreme energy and restlessness while gradually resulting in tremors, over-sensitivity and spasms. In large amounts, cocaine causes fever, unresponsiveness, difficulty in breathing and unconsciousness.

Cocaine is often self-administered by nasal inhalation, intravenous injection and free-base smoking. It is excreted in the urine in a short time primarily as benzoylecgonine.^{3,4}Benzoylecgonine, a major metabolite of cocaine, has a longer biological half-life (5-8 hours) than cocaine (0.5-1.5 hours), and can generally be detected for 24-48 hours after cocaine exposure.4

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of benzoylecgonine in urine exceeds detective level.

Mariiuana (THC)

THC ($\Delta 9$ -tetrahydrocannabinol) is the primary active ingredient in cannabis (marijuana). When smoked or orally administered, THC produces euphoric effects. Users have impaired short-term memory and slowed learning. They may also experience transient episodes of confusion and anxiety. Long-term, relatively heavy use may be associated with behavioral disorders. The peak effect of marijuana administered by smoking occurs in 20-30 minutes and the duration is 90-120 minutes after one cigarette. Elevated levels of urinary metabolites are found within hours of exposure and remain detectable for 3-10 days after smoking. The main metabolite excreted in the urine is 11-nor-Δ9-tetrahydrocannabinol-9-carboxylic acid (THC-COOH).

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of THC-COOH in urine exceeds detective level.

Methadone (MTD)

Methadone is a narcotic analgesic prescribed for the management of moderate to severe pain and for the treatment of opiate dependence (heroin, Vicodin, Percocet, morphine). The pharmacology of oral methadone is very different from IV methadone. Oral methadone is partially stored in the liver for later use. IV methadone acts more like heroin. In most states you must go to a pain clinic or a methadone maintenance clinic to be prescribed methadone.

Methadone is a long acting pain reliever producing effects that last from twelve to forty-eight hours. Ideally, methadone frees the client from the pressures of obtaining illegal heroin, from the dangers of injection, and from the emotional roller coaster that most opiates produce. Methadone, if taken for long periods and at large doses, can lead to a very long withdrawal period. The withdrawals from methadone are more prolonged and troublesome than those provoked by heroin cessation, yet the substitution and phased removal of methadone is an acceptable method of detoxification for patients and therapists.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of methadone in urine exceeds detective level.

Methamphetamine (MET)

Methamphetamine is an addictive stimulant drug that strongly activates certain systems in the brain. Methamphetamine is closely related chemically to Amphetamine, but the central nervous system effects of Methamphetamine are greater. Methamphetamine is made in illegal laboratories and has a high potential for abuse and dependence. The drug can be taken orally, injected, or inhaled. Acute higher doses lead to enhanced stimulation of the central nervous system and induce euphoria, alertness, reduced appetite, and a sense of increased energy and power. Cardiovascular responses to Methamphetamine include increased blood pressure and cardiac arrhythmias. More acute responses produce anxiety, paranoia, hallucinations, psychotic behavior, and eventually, depression and exhaustion.

The effects of Methamphetamine generally last 2-4 hours and the drug have a half-life of 9-24 hours in the body. Methamphetamine is excreted in the urine primarily as Amphetamine, and oxidized and deaminated derivatives. However, 10-20% of Methamphetamine is excreted unchanged. Thus, the presence of the parent compound in the urine indicates Methamphetamine use. Methamphetamine is generally detectable in the urine for 3-5 days, depending on urine pH level

The Multi-Drug Rapid Test Panel is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Methamphetamine in urine. The Multi-Drug Rapid Test Panel yields a positive result when the Methamphetamine in urine exceeds detective level.

Methylenedioxymethamphetamine (MDMA500)

Methylenedioxymethamphetamine (ecstasy) is a designer drug first synthesized in 1914 by a German drug company for the treatment of obesity.⁵ Those who take the drug frequently report adverse effects, such as increased muscle tension and sweating, MDMA is not clearly a stimulant, although it has, in common with amphetamine drugs, a capacity to increase blood pressure and heart rate. MDMA does produce some perceptual changes in the form of increased sensitivity to light, difficulty in focusing, and blurred vision in some users. Its mechanism of action is thought to be via release of the neurotransmitter serotonin. MDMA may also release dopamine, although the general opinion is that this is a secondary effect of the drug (Nichols and Oberlender, 1990). The most pervasive effect of MDMA, occurring in virtually all people who took a reasonable dose of the drug, was to produce a clenching of the laws.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Methylenedioxymethamphetamine in urine exceeds detective level.

Morphine (MOP)

Opiate refers to any drug that is derived from the opium poppy, including the natural products, morphine and codeine, and the semi-synthetic drugs such as heroin. Opioid is more general, referring to any drug that acts on the opioid receptor.

Opioid analgesics comprise a large group of substances which control pain by depressing the CNS. Large doses of morphine can produce higher tolerance levels, physiological dependency in users, and may lead to substance abuse. Morphine is excreted unmetabolized, and is also the major metabolic product of codeine and heroin. Morphine is detectable in the urine for several days after an opiate dose.²

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of morphine in urine exceeds detective level.

Morphine/Opiate (OPI)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of morphine in urine exceeds 2,000 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).1 See morphine (MOP 300) for summary.

Methagualone (MQL)

Methaqualone (Quaalude, Sopor) is a quinazoline derivative that was first synthesized in 1951 and found clinically effective as a sedative and hypotoic in 1956. ¹⁰It soon gained popularity as a drug of abuse and in 1984 was removed from the US market due to extensive misuse. It is occasionally encountered in illicit form, and is also available in European countries in combination with diphenhydramine (Mandrax). Methaqualone is extensively metabolized *in vivo* principally by hydroxylation at every possible position on the molecule. At least 12 metabolites have been identified in the urine.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Methagualone in urine exceeds 300ng/mL.

Phencyclidine (PCP)

Phencýclidine, also known as PCP or Angel Dust, is a hallucinogen that was first marketed as a surgical anesthetic in the 1950's. It was removed from the market because patients receiving it became delirious and experienced hallucinations.

PCP is used in powder, capsule, and tablet form. The powder is either snorted or smoked after mixing it with marijuana or vegetable matter. PCP is most commonly administered by inhalation but can be used intravenously, intra-nasally, and orally. After low doses, the user thinks and acts swiftly and experiences mood swings from euphoria to depression. Self-injurious behavior is one of the devastating effects of PCP.

PCP can be found in urine within 4 to 6 hours after use and will remain in urine for 7 to 14 days, depending on factors such as metabolic rate, user's age, weight, activity, and diet.6 PCP is excreted in the urine as an unchanged drug (4% to 19%) and conjugated metabolites (25% to 30%).6

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of phencyclidine in urine exceeds 25 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).¹

Propoxyphene (PPX)

Propoxyphene (PPX) is a narcotic analgesic compound bearing structural similarity to methadone. As an analgesic, propoxyphene can be from 50-75% as potent as oral codeine. Darvocet™, one of the most common brand names for the drug, contains 50-100 mg of propoxyphene napsylate and 325-650 mg of acetaminophen. Peak plasma concentrations of propoxyphene are achieved from 1 to 2 hours post dose. In the case of overdose, propoxyphene blood concentrations can reach significantly higher levels.

In humans, propoxyphene is metabolized by N-demethylation to yield norpropoxyphene. Norpropoxyphene has a longer half-life (30 to 36 hours) than parent propoxyphene (6 to 12 hours). The accumulation of norpropoxyphene seen with repeated doses may be largely responsible for resultant toxicity.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Propoxyphene or Norpropoxyphene in urine exceeds 300 ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for propoxyphene positive specimens.

Tricyclic Antidepressants (TCA)

TCA (Tricyclic Antidepressants) are commonly used for the treatment of depressive disorders. TCA overdoses can result in profound CNS depression, cardiotoxicity and anticholinergic effects. TCA overdose is the most common cause of death from prescription drugs. TCAs are taken orally or sometimes by injection. TCAs are metabolized in the liver. Both TCAs and their metabolities are excreted in urine mostly in the form of metabolities for up to ten days.

The Multi-Drug Rapid Test Panelyields a positive result when the concentration of tricyclic antidepressants in urine exceeds 1,000 ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for tricyclic antidepressant positive specimens.

Tramadol (TML)

Tramadol(TML) is a quasi-narcotic analgesic used in the treatment of moderate to severe pain. It is a synthetic analog of codeline, but has a low binding affinity to the mu-opoid receptors. Large doses of tramadol can develop tolerance and physiological dependency and lead to its abuse. Tramadol is extensively metabolized after oral administration. Approximately 30% of the dose is excreted in the urine as unchanged drug, whereas 60% is excreted as metabolites. The major pathways appear to be N- and O- demethylation, glucoronidation or sulfation in the liver.

The Multi-Drug Rapid Test Panel is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Tramadol in urine. The Multi-Drug Rapid Test Panel yields a positive result when

Tramadol in urine exceed detective level.

Ketamine(KET)

Ketamine is a dissociative anesthetic developed in 1963 to replace PCP (Phencyclidine). While Ketamine is still used in human anesthesia and veterinary medicina it is becoming increasingly abused as a street drug. Ketamine is molecularly similar to PCP and thus creates similar effects including numbness, loss of coordination, sense of invulnerability, muscle rigidity, aggressive / violent behavior, slurred or blocked speech, exaggerated sense of strength, and a blank stare. There is depression of respiratory function but not of the central nervous system, and cardiovascular function is maintained. The effects of Ketamine generally last 4-6 hours following use. Ketamine is excreted in the urine as unchanged drug (2.3%) and metabolities (96.8%). ¹⁰

The Multi-Drug Rapid Test Panel is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Ketamine in urine. The Multi-Drug Rapid Test Panel yields a positive result when Ketamine in urine exceeds detective level.

Oxycodone (OXY)

Oxýcodone is a s´emi-synthetic opioid with a structural similarity to codeine. The drug is manufactured by modifying thebaine, an alkaloid found in the opium poppy. Oxycodone, like all opiate agonists, provides pain relief by acting on opioid receptors in the spinal cord, brain, and possibly directly in the affected tissues. Oxycodone is prescribed for the relief of moderate to high pain under the well-known pharmaceutical trade names of OxyContin®, Tylox®, Percodan® and Percocet® on the provided single provided and Percocet® on the provided single of oxycodone hydrochloride combined with other analgesics such as acetaminophen or aspirin, OxyContin consists solely of oxycodone hydrochloride in a time-release form. Oxycodone is known to metabolize by demethylation into oxymorphone and noroxycodone. In a 24-hour urine, 33-61% of a single, 5 mg oral dose is excreted with the primary constituents being unchanged drug (13-19%), conjugated drug (7-29%) and conjugated oxymorphone (13-14%). The window of detection for Oxycodone in urine is expected to be similar to that of other opioids such as morphine.

The Multi-Drug Rapid Test Panel is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Oxycodone in urine. The Multi-Drug Rapid Test Panel yields a positive result when Oxycodone in urine exceeds 100nq/mL.

Cotinine (COT)

Cotinine is the first-stage metabolite of nicotine, a toxic alkaloid that produces stimulation of the autonomic ganglia and central nervous system when in humans. Nicotine is a drug to which virtually every member of a tobacco-smoking society is exposed whether through direct contact or second-hand inhalation. In addition to tobacco, nicotine is also commercially available as the active ingredient in smoking replacement therapies such as nicotine gum, transdermal patches and nasal sprays.

In a 24-hour urine, approximately 5% of a nicotine dose is excreted as unchanged drug with 10% as cotinine and 35% as hydroxycotinine; the concentrations of other metabolites are believed to account for less than 5%. "0While cotinine is thought to be an inactive metabolite, it's elimination profile is more stable than that of nicotine which is largely urine pH dependent. As a result, cotinine is considered a good biological marker for determining nicotine use. The plasma half-life of nicotine is approximately 60 minutes following inhalation or parenteral administration. "Nicotine and cotinine are rapidly eliminated by the kidney; the window of detection for cotinine in urine at a cutoff level of 200 ng/mL is expected to be up to 2-3 days after nicotine use.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Cotinine in urine exceeds detective level.

2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP)

Methadone is an unusual drug in that its primary urinary metabolites (EDDP and EMDP) are cyclic in structure, making them very difficult to detect using immunoassays targeted to the native compound. 10 Exacerbating this problem, there is a subsection of the population classified as "extensive metabolizers" of methadone. In these individuals, a urine specimen may not contain enough parent methadone to yield a positive drug screen even if the individual is in compliance with their methadone maintenance. EDDP represents a better urine marker for methadone maintenance than unmetabolized methadone.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of EDDP in urine exceeds detective level

Fentanyl (FYL)

Fentanyl, belongs to powerful narcotics analgesics, and is a μ special opiates receptor stimulant. Fentanyl is one of the varieties that been listed in management of United Nations "Single Convention of narcotic drug in 1961". Among the opiates agents that under international control, fentanyl is one of the most commonly used to cure moderate to severe pain1. After continuous injection of fentanyl, the sufferer will have the performance of protracted opioid abstinence syndrome, such as ataxia and irritability etc2,3, which presents the addiction after taking fentanyl in a long time. Compared with drug addicts of amphetamine, drug addicts who take fentanyl mainly have got the possibility of higher infection rate of HIV, more dangerous injection behavior and more lifelong medication overdose 4.

The FYL Rapid Test Dipstick (Urine) is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of FYL in urine. The FYL Rapid Test Dipstick (Urine) yields a positive result when FYL in urine exceeds detective level.

Synthetic Marijuana (K2)

Synthetic Marijuana or K2 a psychoactive herbal and chemical product that, when consumed, mimics the effects of Marijuana. It is best known by the brand names K2 and Spice, both of which have largely become genericized trademarks used to refer to any synthetic Marijuana product. The studies suggest that synthetic marijuana intoxication is associated with acute psychosis, worsening of previously stable psychotic disorders, and also may have the ability to trigger a chronic (long-term) psychotic disorder among vulnerable individuals such as those with a family history of mental illness.

Elevated lévels of urinary metabolites are found within hours of exposure and remain devated ble for 72 hours after smoking (depending on usage/dosage). Asof March 1, 2011, five cannabinoids, JWH -018, JWH- 073, CP- 47, JWH- 200and cannabicyclohexanol are now

illegal in the US because these substances have the potential to be extremely harmful and, therefore, pose an imminent hazard to the public safety.

The Multi-Drug Rapid Test Panel yields a positive result when the synthetic marijuana metabolite in urine exceeds detective level

(±) 3, 4-Methylenedioxyamphetamine (MDA)

3.4-Methylenedioxyamphetamine (MDA), also known as tenamfetamine (INN), or with the street name "Sally" or "Sass-" or "Sass--frass", is a psychedelic and entactogenic drug of the phenethylamine and amphetamine chemical classes. It is mainly used as a recreational drug, an entheogen, and a tool in use to supplement various types of practices for transcendence, including in meditation, psychonautics, and as an agent in psychedelic psychotherapy. It was first synthesized by G. Mannish and W. Jacobson in 1910. There are about 20 different synthetic routes described in the literature for its preparation.

Ethyl- β-D-Glucuronide(ETG)

Ethýl Ġlucuronide (ETG) is á metabolite of ethyl alcohol which is formed in the body by glucuronidation following exposure to ethanol, such as by drinking alcoholic beverages. It used as a biomarker to test for ethanol use and to monitor alcohol abstinence in situations where drinking is prohibited, such as in the military, in professional monitoring programs(health professionals, attorneys, airline pilots in recovery from addictions), in schools, inliver transplant clinics, or in recovering alcoholic patients. ETG can be measured in urine up to approximately 80 hours after ethanol is ingested. ETG is a more accurate indicator of the recent exposure to alcohol than measuring for the presence of ethanol itself.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Ethyl Glucuronide in urine exceeds detective level

Clonazepam(CLO)

Clonazepam is a benzodiazepine drug having anxiolytic, anticonvulsant, muscle relaxant, amnestic, sedative, and hypnotic properties. Clonazepam has an intermediate onset of action, with a peak blood level occurring one to four hours after oral administration. Long-term effects of benzodiazepines include tolerance, benzodiazepine dependence, and benzodiazepine withdrawal syndrome, which occurs in one third of patients treated with clonazepam for longer than four weeks. Benzodiazepines such as clonazepam have a fast onset of action, high effectivity rate, and low toxicity in overdose; however, as with most medications, it may have drawbacks due to adverse or paradoxical effects. The detection period for the Benzodiazepines in the urine is 3-7 days.

The Multi-Drug Rapid Test Panel yields a positive result when the Benzodiazepines in urine exceeds detective level.

Lysergic Acid Diethylamide (LSD)

Lýsergic acid diethylamide (LSD) is a white powder or a clear, colorless liquid. LSD is manufactured from lysergic acid which occurs naturally in the ergot fungus that grows on wheat and rye. It is a Schedule I controlled substance, available in liquid, powder, tablet (microdots), and capsule form. LSD is recreationally used as a hallucinogen for its ability to alter human perception and mood. LSD is primarily used by oral administration, but can be inhaled, injected, and transdermally applied. LSD is a non-selective 5-HT agonist, may exert its hallucinogenic effect by interacting with 5-HT 2Areceptors as a partial agonist and modulating the NMDA receptor-mediated sensory, perceptual, affective and cognitive processes. LSD mimics 5-HT at 5-HT 1A receptors, producing a marked slowing of the firing rate of serotonergic neurons. LSD has a plasma half-life of 2.5-4 hours. Metabolites of LSD include N-desmethyl-LSD, hydroxy-LSD, 2-oxo-LSD, and 2-oxo-3-hydroxy-LSD. These metabolites are all inactive. LSD use can typically be detected in urine for periods of 2-5 days. The Multi-Drug Rapid Test Panel yields a positive result when Lysergic Acid Diethylamide in urine exceeds detective level.

Methylphenidate (MPD)

Methylphenidate (Ritalin) is a psychostimulant drug approved for treatment of ADHD or attention-deficit hyperactivity disorder, postural orthostatic tachycardia syndrome and narcolepsy. Methylphenidate primarily acts as a norepinephrine-dopamine reuptake inhibitor. Methylphenidate is most active at modulating levels of dopamine and to a lesser extent norepinephrine. Similar to cocaine, methylphenidate binds to and blocks dopamine ransporters and norepinephrine transporters. Methylphenidate has both dopamine transporter and norepinephrine transporter binding affinity, with the dextromethylphenidate manyates displaying a prominent affinity for the norepinephrine transporter. Methylphenidate may also exert a neuroprotective action against the neurotoxic effects of Parkinson's disease and methamphetamine abuse. Methylphenidate taken orally has a bioavailability of 11-52% with a duration of action around 1-4 hours for instant release, 3-8 hours for sustained release, and 8-12 hours for extended release(Concerta). The half-life of methylphenidate is 2-3 hours, depending on the individual. The peak plasma time is achieved at about 2 hours.

The Multi-Drug Rapid Test Panel yields a positive result when the Methylphenidate (Ritalin) in urine exceeds 1000 ng/mL.

Zolpidem(ZOL)

Zolpidem (brand names Ambien, Ambien CR, Intermezzo, Stilnox, Stilnoxt, Sublinox, Hypnogen, Zonadin, Sanval and Zolsana) is a prescription medication used for the treatment of insomnia and some brain disorders. It is a short-acting nonbenzodiazepine hypnotic of the imidazopyridine class¹ that potentiates GABA, an inhibitory neurotransmitter, by binding to GABAA receptors at the same location as benzodiazepines. It works quickly, usually within 15 minutes, and has a short half-life of two to three hours.

Zolpidem may be detected in blood or plasma to confirm a diagnosis of poisoning in hospitalized patients, provide evidence in an impaired driving arrest, or to assist in a medico-legal death investigation. Blood or plasma Zolpidem concentrations are usually in a range of 30–300 µg/l in persons receiving the drug therapeutically, 100–700 µg/l in those arrested for impaired driving, and 1000–7000 µg/l in victims of acute over dosage. Analytical techniques, in general, involve gas or liquid chromatography. 3.4.5

The Multi-Drug Rapid Test Panel yields a positive result when Zolpidem in urine reaches 50ng/ml.

[PRINCIPLE]

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

[REAGENTS]

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. [PRECAUTIONS]

- For healthcare professionals including professionals at point of care sites.
- Immunoassay for in vitro diagnostic use only. The test Panel 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 Panel should be discarded according to federal, state and 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 Panels must remain in the sealed pouch until use. DO NOT FREEZE. Do not use beyond the expiration date.

SPECIMEN COLLECTION AND PREPARATION

Urine Assav

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.

[MATERIALS]

Materials Provided

Panel

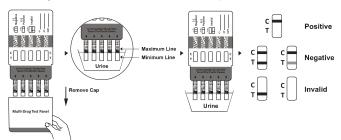
Package insert Materials Required But Not Provided

· Specimen collection container

[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 test panel from the sealed pouch and use it within one hour.
- Remove the cap.
- 3. With the arrow pointing toward the urine specimen, immerse the test panel vertically in the urine specimen for at least 10 to 15 seconds. Immerse the dipstick to at least the level of the wavy lines, but not above the arrow on the test panel.
- 4. Replace the cap and place the test panel on a non-absorbent flat surface.
- 5. Start the timer and wait for the colored line(s) to appear.
- 6. The drug result should be read at 5 minutes. Do not interpret the result after 10 minutes.



[INTERPRETATION OF RESULTS]

(Please refer to the illustration above)

NEGATIVE:* A colored line appears in the Control region (C) and colored lines appear 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 card. If the result is still invalid, contact your manufacturer.

[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 Panel 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. 1,10
- 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.

[EXPECTED VALUES]

The negative result indicates that the drug concentration is below the detectable level. Positive result means the concentration of drug is above the detectable level.

[PERFORMANCE CHARACTERISTICS]

Accuracy

A side-by-side comparison was conducted using the Multi-Drug Rapid Test Panel and commercially available drug rapid tests. Testing was performed on approximately 250 specimens per drug type previously collected from subjects presenting for Drug Screen Testing. Presumptive positive results were confirmed by GC/MS.

Method GC/MS % agreement with GC/MS Multi-Drug Rapid Test Panel Positive Negative Positive 5,000 Negative 98.6% ΔMP Positive 103 98.1% 1,000 97.9% Negative 110 99.1% AMP Positive 500 Negative 137 98.6% AMP Positive 116 00 1% Negative 300 131 98.5% BAR 98 96.1% Positive 300 146 Negative 98.6% 101 BAR Positive 95.3% 200 Negative 141 97.9% BZO 112 98.2% Positive 133 500 Negative 97.8% BZO 12 98.4% 300 Negative 126 99.2% BZO Positive 127 99.2% 200 Negative 120 98.4% 128 BZO Positive 99.2% 100 Negative 118 97.5% 105 BUP Positive Λ 99 1% 10 Negative 144 >99 9% BUP 105 99.1% Positive Negative 144 >99.9% 1 COC Positive 111 98.2% 300 134 Negative COC 40 >99.9% Positive 200 Negative 0 60 >99.9% COC Positive 116 4 98.3% 150 Negative 128 97.0% 117 COC Positive 99.2% 100 128 97 N% Negative 86 THC Positive 4 94.5% 150 Negative 155 97.5% THC 97.9% Positive 92 3 50 Negative 153 98.1% THC Positive 95 96.9% 25 Negative 148 97.4% 89 98.9% MTD Positive 300 Negative 158 98.8% MTD Positive 91 98 7% 200 Negative 156 98.7% MET Positive 76 96.2% 1.000 Negative 166 97.1% 83 MET Positive 97.6% 500 160 Negative 97.0% MET Positive 88 97.8% 300 Negative 156 MDMA Positive 99 98.0% 1.000 Negative 148 99.3% MDMA Positive 102 98.1% Negative 500 145 99.3% MOP Positive 95 95.0% 300 Negative 143 95 3% MOP Positive 98 5 97.0% 100 144 96.6% Negative 79 89.8% Positive 11 MOI Negative 151 93.2% OPI Positive

N.	lethod				GC/	MS		C'			0/1/0
Multi-Drug I		est Pane	el	Positiv			gative	% a	greemer	nt with G	C/MS
maia Bragi		Vegative		4			21		93	3.8%	
		Positive		85			5			2.4%	
PCP		Negative		7		1	53			5.8%	
		Positive		97		·	9			3.0%	
PPX		Vegative		4		1	40			1.0%	
		Positive		91			13			1.8%	
TCA		Vegative		5			41			1.6%	
TML		Positive	_	82			12			3.2%	
100			_	11			45		00	2.4%	
TML		Negative Positive		82			6			3.2%	
200							51				
		Negative		11					96	6.2%	
TML		Positive		81			6		88	3.0%	
300		Negative		11		1	52		96	6.2%	
KET		Positive		77			3			7.5%	
1,000		Negative		2		1	68			3.2%	
KET		Positive		81			3			7.6%	
500		Negative		2		1	64		98	3.2%	
KET		Positive		89			4		96	5.7%	
300	1	Negative		3		1	54		97	7.5%	
KET		Positive		97			4		96	6.0%	
100	1	Negative		4		1	45		97	7.3%	
OXY		Positive		84			1		97	7.7%	
100		Negative		2		1	63			9.4%	
COT		Positive		88			4			5.7%	
200		Negative		3		1	55			7.5%	
COT		Positive		93			3			7.9%	
100		Vegative		2		1	52			3.1%	
EDDP		Positive		92			1			7.9%	
300				2		- 1	55			9.4%	
		Negative		95						5.9%	
EDDP		Positive				_	5				
100		Negative		3		147			96	6.7%	
FYL		Positive		79		1				3.8%	
20		Negative		1_		1	169			9.4%	
FYL		Positive		80		11				3.8%	
10	1	Negative		1		1	168			9.4%	
K2-50		Positive		78			3			7.5%	
102-50	1	Negative		2		1	167			3.2%	
K2-30		Positive		82			2		97	7.6%	
NZ-30	1	Negative	1	2		1	164		98	3.8%	
C MANAG		Positive		93			2		98	3.9%	
6-MAM10		Negative		1		1	154		98	3.7%	
MDAFOO		Positive		103			3		98	3.1%	
MDA500		Negative		2		1	42			7.9%	
		Positive		83			1			7.6%	
ETG500		Vegative		2		1	64			9.4%	
-		Positive		81			1			5.3%	
ETG1,000		Vegative	_	4		- 1	64			9.4%	
CLO				101			1			7.1%	
		Positive									
400		Vegative		3		1	45			9.3%	
CLO		Positive		103			2			9.0%	
150		Vegative		1_		1	44			3.6%	
LSD 20		Positive		33			1			4.3%	
		Negative		2		-	64			3.5%	
LSD 50		Positive		32			1			4.1%	
LOD 30	1	Negative		2			65		98	3.5%	
MDD		Positive		35			1		94	4.6%	
MPD	1	Negative		2			62		98	3.4%	
701		Positive		20			2		90	0.9%	
ZOL		Vegative		2			66			7.1%	
<u> </u>				ement	with			Kit	-		
	ACE	AMP	AMP	AMP	BAR	BAR	BZO	BZO	BZO	BZO	BUP
	5,000	1,000	500	300	300	200	500	300	200	100	10
Positive											
	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
Agreement		-		1	!	 	<u> </u>			-	<u> </u>
Negative	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
Agreement	*										
Total Results	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
	DUE					TUC	TUC	TUC	MITE	MITC	LAFT
	BUP	COC	COC	COC	COC	THC	THC	THC	MTD	MTD	MET
	5	300	200	150	100	150	50	25	300	200	1,000
Positive	*	>99.9%	*	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%

ZOL		Positive		20			2		90).9%	
ZOL		Negative		2			66		97	7.1%	
		%	Agre	ement	with (Comm	ercial	Kit			
	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	*	>99.9%	>99.9%	>99.9%	>99.9%	>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%	>99.9%	>99.9%	>99.9%	>99.9%
Total Results	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
			•		•						•
	BUP 5	300	200	COC 150	COC 100	THC 150	THC 50	THC 25	MTD 300	MTD 200	MET 1,000
Positive Agreement	*	>99.9%	*	*	>99.9%	>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%	>99.9%	>99.9%
Total Results	*	>99.9%	*	*	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
	MET 500	MET 300	MDMA 1,000	MDMA 500	MOP 300	MOP 100	MQL	OPI	PCP	PPX	TCA
Positive Agreement	>99.9%	% > 99.9%	>99.9%	>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%	>99.9%	*	>99.9%	>99.9%	*
Total Results	>99.9%	% > 99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	*	>99.9%	>99.9%	*

	TML 100	TML 200	TML 300	KET 1,000	KET 500	KET 300	KET 100	OXY	COT 200	COT 100	EDDP 300
Positive Agreement	*	*	*		>99.9%	>99.9%	>99.9%	*	*	*	*
Negative Agreement Total Results	*	*	*	>99.9%	>99.9%	>99.9%	>99.9%	*	*	*	*
Total Results	*	*	*	>99.9%	>99.9%	>99.9%	>99.9%	*	*	*	*
	EDDP	FYL	FYL	K2	K2	6-MAM	MDA	ETG	ETG	CLO	CLO
Positive	100	20	10	50	30	10	500	500	1,000	400	150
Agreement	*	*	*	*	*	*	*	*	*	*	*
Negative Agreement	*	*	*	*	*	*	*	*	*	*	*
Total Results	*	*	*	*	*	*	*	*	*	*	*
	LSD20	LSD50	MPD	ZOL]						
Positive	*	*	*								
Agreement Negative		*									
Agreement											
Total Results * Note	: Based	on GC/	MS dat	a instea	d of Co	mmerc	ial Kit.				
demonstrate coded specir labeled, blind ACETAMING	nens, c	ontainin tested a (ACE5,	g drug: at each	s at con	centrati ne resul	ions of	± 50% iven be	and ± 2	25% cut		
	conc. (n			site	-	+	-	+	-	+	
	2,50	20		10 10	10	_	10	_	_	_	
	3,75			10	9	0 1	10	1	_		_
	6,25			10	1	9	1	9	_	9	
AMPHETAM	7,50 INF (Al		0)	10	0	10	0	10	0	10	0
Aun HETAII	Amphet		· · · ·	n per		Site A		Site B		Site C	
	conc. (n	g/mL)		site	-	+	-	+	_	+	_
	50	0		10 10	10	_	10	_		_	_
	75			10	9	1	8	2	9	_	
	1,25			10 10	0	9	0	10		10	
	1,00	50		10		10			<u>, , , , , , , , , , , , , , , , , , , </u>		
AMPHETAM	Amphet)	n nor	.	Site A		Site B	1	Site C	_
	conc. (n			n per site	-	+	-	+	-	+	
	0	^		10	10	_	10	_		_	
	25i			10 10	10	0 1	10	0 1	10	_	
	62	5		10	2	8	1	9	2	8	
AMPHETAM	75			10	0	10	0	10	0	10)
IIE I AIVI	Amphet	amine		n per		Site A		Site B		Site C	
	conc. (n	g/mL)		site	-	+	-	+	-	+	_
	15	0		10	10	_	10	_	10	_	
	22			10	8	2	8	2		_	
	37: 45:			10	0	10	0	10	_	10	_
BARBITURA			0)	10						•	
	Secoba conc. (n			n per site	· _	Site A +	-	Site B +	_	Site C	_
	0			10	10	_	10	_	_) 0	,
	15			10	10	_	10	_	_	_	
	37			10 10	9	1 8	8	9	_	_	
	45	0		10	0		_	10			
BARBITURA			0)			Sito ^	_	Sito D		Site C	_
	Secoba conc. (n			n per site	· —	Site A +	+-	Site B +	_	Site C +	\dashv
	0			10	10	0	10	0	10) 0	1
	10			10 10	10	0 1	10	0 1	10		
	25			10	1	9	1	9	_	_	
	30	0		10	0	10	0	10	0	10	0

Ov	NES (BZO 500) azepam	n per	Sit	- A	Sit	е В	Sit
	c. (ng/mL)	site	-	+	-	+	-
	0	10	10	0	10	0	10
	250	10	10	0	10	0	10
	375	10	8	2	9	1	8
	625	10	1	9	2	8	1
	750	10	0	10	0	10	0
BENZODIAZEPII	NES (BZO 300)						
	azepam	n per	Sit	e A	Sit	e B	Sit
cond	c. (ng/mL)	site	-	+	-	+	-
	0	10	10	0	10	0	10
	150	10	10	0	10	0	10
	225	10	9	1	9	1	9
	375	10	1	9	1	9	1
	450	10	0	10	0	10	0
BENZODIAZEPII							
	azepam c. (ng/mL)	n per site	Sit		Sit	e B	Sit
CONC			-	+	-	+	- 10
	0	10	10	0	10	0	10
	100	10	10	0	10	0	10
	150	10	9	1	8	2	9
	250	10	1	9	1	9	2
BENZODIAZEPII	300 NES (BZO 100)	10	0	10	0	10	0
	azepam	n per	Sit	- Δ	Sit	e B	Sit
cond	c. (ng/mL)	site	-	+	-	+	-
	0	10	10	0	10	0	10
	50	10	10	0	10	0	10
	75	10	9	1	8	2	7
	125	10	1	9	1	9	2
	150	10	0	10	0	10	0
Buprenorphine (BUP 10)						
	enorphine	n per	Sit	e A	Sit	е В	Sit
cond	c. (ng/mL)	site	-	+	1	+	-
	0	10	10	0	10	0	10
	5	10	10	0	10	0	10
	7.5	10	9	1	9	1	8
	12.5	10	1	9	1	9	1
	15	10	0	10	0	10	0
	DUD 5\						
Bunrenorphine (BUP 51						
Buprenorphine (n per	Sit	e A	Sit	е В	Sit
Bupr	enorphine c. (ng/mL)	n per site	Sit	e A +	Sit	e B +	Sit
Bupr	enorphine						
Bupr	enorphine c. (ng/mL)	site	-	+		+	-
Bupr	enorphine c. (ng/mL) 0	site 10	- 10	+	- 10	+ 0	- 10
Bupr	enorphine c. (ng/mL) 0 2.5	10 10	- 10 10	+ 0 0 1 9	- 10 10	+ 0 0	- 10 10
Bupr	enorphine c. (ng/mL) 0 2.5 3.75 6.25 7.5	10 10 10	- 10 10 9	+ 0 0 1	- 10 10 9	+ 0 0 1	- 10 10 8
Bupr cond	enorphine c. (ng/mL) 0 2.5 3.75 6.25 7.5 300)	10 10 10 10 10	- 10 10 9 1	+ 0 0 1 9	- 10 10 9 1	+ 0 0 1 9	- 10 10 8 1
Bupr cond	enorphine c. (ng/mL) 0 2.5 3.75 6.25 7.5 300) bylecgonine	site 10 10 10 10 10 10 n per	- 10 10 9	+ 0 0 1 9 10	- 10 10 9 1	+ 0 0 1 9	- 10 10 8 1
Bupr cond	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 3000 bylecgonine c (ng/mL)	10 10 10 10 10 10 n per site	- 10 10 9 1 0	+ 0 0 1 9 10	- 10 10 9 1 0	+ 0 0 1 9 10	- 10 10 8 1 0
Bupr cond	enorphine . (ng/mL) 0 2.5 3.75 6.25 7.5 300) oylecgonine . (ng/mL) 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	- 10 10 9 1 0 Site	+ 0 0 1 9 10	- 10 10 9 1 0 Site	+ 0 0 1 9 10 e B + 0	- 10 10 8 1 0 Sit
Bupr cond	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) yJecgonine c. (ng/mL) 0 150	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sit	+ 0 0 0 1 9 10	- 10 10 9 1 0 Sit	+ 0 0 0 1 9 10	- 10 10 8 1 0 Sit
Bupr cond	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) eylecgonine (ng/mL) 0 150 225	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10	+ 0 0 0 1 9 10 e A + 0 0 0	- 10 10 9 1 0 Sit - 10 10	+ 0 0 1 1 9 10 e B + 0 0 1 1	- 10 10 8 1 0 Sit - 10 10 9
Bupr cond	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) sylecgonine (ng/mL) 0 150 225 375	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10 9	+ 0 0 1 9 10 0 1 9 9 10 9 10 9 10 9 10 9	- 10 10 9 1 0 Sitt - 10 10 9	+ 0 0 0 1 1 9 10 e B + 0 0 1 9	- 10 10 8 1 0 Sit - 10 10 9
COCAINE (COC Benzc	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) yJecgonine (ng/mL) 0 150 225 375 450 450	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10	+ 0 0 0 1 9 10 e A + 0 0 0	- 10 10 9 1 0 Sit - 10 10	+ 0 0 1 1 9 10 e B + 0 0 1 1	- 10 10 8 1 0 Sit - 10 10 9
COCAINE (COC	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) ylecgonine (ng/mL) 0 150 225 375 450 200)	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 0 Sit -10 10 9 1	+ 0 0 0 1 9 10 0 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10 9 1	+ 0 0 0 1 9 10 e B + 0 0 1 1 9 10	-10 10 8 1 0 Sit -10 10 9 1
COCAINE (COC Benze cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) evjecgonine (ng/mL) 0 150 225 375 450 2000 evjecgonine	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10 9	+ 0 0 0 1 9 10 0 0 1 9 10 0 0 1 9 10 0 0 0	- 10 10 9 1 0 Sitt - 10 10 9 1	+ 0 0 0 1 1 9 10 e B + 0 0 1 9	- 10 10 8 1 0 Sit - 10 10 9
COCAINE (COC Benze cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) ylecgonine (ng/mL) 0 150 225 375 450 200)	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 0 Sit -10 10 9 1	+ 0 0 0 1 9 10 0 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10 9 1	+ 0 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B	-10 10 8 1 0 Sit -10 10 9 1
COCAINE (COC Benze cont	enorphine (ng/mL) 0 0 2.5 3.75 6.25 7.5 3.00 Sylecgonine (ng/mL) 0 150 225 375 450 2200 Sylecgonine (ng/mL) (ng/mL) (ng/mL) (ng/mL) (ng/mL) (ng/mL) (ng/mL) (ng/mL) (ng/mL)	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 0 Sitt -10 10 10 9 1 0	+ 0 0 0 1 9 10	- 10 10 9 1 0 Sitt - 10 10 9 1 0	+ 0 0 0 1 1 9 10 e B + 10 e B + 10 e B + 10	-10 10 8 1 0 Sit -10 10 10 9 1 0
COCAINE (COC Benze cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) ylecgonine (ng/mL) 0 0 150 225 375 450 200) ylecgonine (ng/mL) 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sit - 10 Sit - 10 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 e A + 0 10 e A + 0 0 e A + 0	- 10 10 9 1 0 Sit - 10 10 9 1 0 Sit	+ 0 0 0 1 1 9 10 e B + 0 10 e B + 0 0 0 0 10 e B + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 10 10 8 1 0 Sit - 10 10 9 1 0 Sit - 10
COCAINE (COC Benza cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) elegonine (ng/mL) 0 150 225 375 450 200) elegonine (ng/mL) 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 0 Sitt -10 10 Sitt -10 10 10 10 10 10 10 10 10 10 10 10 10 1	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10 9 1 0 Sitt - 10	+ 0 0 0 1 1 9 10 e B + 0 0 10 e B + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 10 8 1 0 Sit -10 10 9 1 0 Sit -10
COCAINE (COC Benza cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) eylecgonine (ng/mL) 0 150 225 375 450 200) eylecgonine (ng/mL) 0 150 100 100 150 100 150 100 150 100 150 100 150 100 150 100 150 100 10	site 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 10 9 1 0 Sitt - 10 10 9 1 0 Sitt - 10 9 1 10 9 1	+ 0 0 0 1 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0	- 10 10 9 1 0 Sitt - 10 0 Sitt - 10 0	+ 0 0 0 1 1 0 e B + 0 0 1 1 0 e B + 0 0 0 1 1 0 e B + 0 0 0 1 1 0 e B + 0 0 0 0 1 1 e B + 0 0 0 0 1 1 e B + 0 0 0 0 0 1 1 e B + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 10 8 1 0 Sit -10 10 9 1 0 Sit -10 0
COCAINE (COC Benza cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) ylecgonine (ng/mL) 0 150 225 375 4450 200) ylecgonine (ng/mL) 0 150 225 375 450 300 300 300 300 300 300 300 300 300 3	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 10 9 1 0 Sitt -10 10 9 1 0 Sitt -10 10 9 1 10 9	+ 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 10 10 9 1 0 Sitt - 10 10 9 1 0 Sitt - 10 0	+ 0 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 0 0 0 1 1 9 9 10 0 10 10 10 10 10 10 10 10 10 10 10 1	-10 10 8 1 0 Sit -10 10 9 1 0 Sit -10 0
COCAINE (COC Benze cone COCAINE (COC Benze cone COCAINE (COC Benze cone COCAINE (COC Benze cone	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) eylecgonine (ng/mL) 0 150 225 375 450 200) eylecgonine (ng/mL) 0 150 250 300 150 250 300 150 250 300 150 250 300 150) eylecgonine (ng/mL) 0 150 250 300 150) eylecgonine (ng/mL) 0 150 250 300 150) eylecgonine	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 10 9 1 0 Sitt -10 10 9 1 0 Sitt -10 10 9 1 10 9	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10 1	- 10 10 9 1 1 0 Sitt - 10 10 9 1 10 10 10 9 1 10	+ 0 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 0 0 0 1 1 9 9 10 0 10 10 10 10 10 10 10 10 10 10 10 1	-10 10 8 1 1 0 Sit 10 10 10 10 9 1 1 10 9 1 1
COCAINE (COC Benze cone COCAINE (COC Benze cone COCAINE (COC Benze cone COCAINE (COC Benze cone	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) sylecgonine (ng/mL) 0 150 225 375 6.25 375 6	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 10 0 Sitt -10 10 10 9 11 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 + 0 0 0 1 1 9 10 + 0 0 0 1 1 9 10 + 0 0 0 1 1 1 0 9 10 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	-10 10 9 1 10 0 Sitt -10 10 10 10 10 10 10 10 10 10 10 10 10 1	+ 0 0 0 1 1 9 10 e B + 0 0 0 1 1 9 10 e B + 10 0 1 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 8 1 1 0 10 10 10 10 10 10 10 10 10 10 10
COCAINE (COC Benze cone COCAINE (COC Benze cone COCAINE (COC Benze cone COCAINE (COC Benze cone	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) eylecgonine (ng/mL) 0 150 225 375 450 200) eylecgonine (ng/mL) 0 150 250 300 150 250 300 150 250 300 150 250 300 150) eylecgonine (ng/mL) 0 150 250 300 150) eylecgonine (ng/mL) 0 150 250 300 150) eylecgonine	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 0 Sit 10 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 0 0 1 0 0 1 1 9 10 0 0 1 1 9 10 0 0 1 1 9	Site 5	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 8 1 0 Sitt -10 10 10 9 11 0 Sit -10 10 10 Sit
COCAINE (COC Benzo conc COCAINE (COC Benzo conc COCAINE (COC Benzo conc COCAINE (COC Benzo conc	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) elecgonine (ng/mL) 0 0 150 225 375 450 200) elecgonine (ng/mL) 0 150 250 300 150 250 300 150 250 300 150) elecgonine (ng/mL) 0 175 250 300 150) elecgonine (ng/mL) 0 175 250 300 150) elecgonine (ng/mL) 0 75	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 1 0 Sitt 10 10 9 1 1 0 0 Sitt 10 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-100 9 1 0 Sitt 10 10 9 1 0 0 Sitt 10 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-10 10 8 1 1 0 0 Sit 10 10 10 9 1 1 0 0 Sit 10 10 10 10 10 10 10 10 10 10 10 10 10
COCAINE (COC Benze cont COCAINE (COC Benze cont COCAINE (COC Benze cont COCAINE (COC Benze cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) eylecgonine (ng/mL) 0 0 150 225 375 4450 200) eylecgonine (ng/mL) 0 150 250 300 150 250 300 150 250 300 150 250 300 1750 250 300 1750 250 300 1750 250 300 1750 250 300 1750 250 300 1750 250 300 1750 250 300 1750 250 300 300 300 300 300 300 300 300 300 3	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 1 0 Sitt -10 10 9 1 1 0 Sitt -10 10 9 1 1 0 9 1 1 0 0 10 9 9 1 1 1 0 0 10 9 9 1 1 1 1	+ 0 0 0 1 1 9 10 0 0 1 1 9 10 0 0 0 1 1 9 10 0 10 0	-100	+ 0 0 0 1 1 9 10 e B + 0 0 1 1 9 10 e B + 1 0 10 e B + 0 0 1 1 10	-10 10 8 1 0 Sit -10 10 9 1 10 Sit -10 10 Sit -10 10 9 1 10 9 1 10 9 1 10 9 1 10 9 1 10 9 1 10 9 1 10 9 1 10 9 1 10 9 1 10 9 10 10 9 10 10 9 10 10 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10
COCAINE (COC Benze cont COCAINE (COC Benze cont COCAINE (COC Benze cont COCAINE (COC Benze cont	enorphine (ng/mL) 0 2.5 3.75 6.25 7.5 300) elecgonine (ng/mL) 0 0 150 225 375 450 200) elecgonine (ng/mL) 0 150 250 300 150 250 300 150 250 300 150) elecgonine (ng/mL) 0 175 250 300 150) elecgonine (ng/mL) 0 175 250 300 150) elecgonine (ng/mL) 0 75	site 10 10 10 10 10 10 10 10 10 10 10 10 10	-10 10 9 1 1 0 Sitt 10 10 9 1 1 0 0 Sitt 10 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-100 9 1 0 Sitt 10 10 9 1 1 0 0 Sitt 10 10 10 10 10 10 10 10 10 10 10 10 10	+ 0 0 0 1 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-100 8 1 1 0 0 Sit 10 10 9 1 1 0 0 Sit 10 10 10 10 10 10 10 10 10 10 10 10 10

Benzoylecgor			e A	Sit	е В	Si
conc. (ng/m		-	+	-	+	-
0	10 10	10 10	0	10 10	0	10
50 75	10	9	1	9	1	9
125	10	2	8	2	8	2
150	10	0	10	0	10	0
MARIJUANA (THC150)						
11-nor-Δ ⁹ -CO		Sit	e A	Sit	е В	Si
conc. (ng/ml		- 40	+	-	0	- 40
75	10 10	10 10	0	10 10	0	10
112.5	10	9	1	9	1	9
187.5	10	2	8	1	9	1
225	10	0	10	0	10	0
ARIJUANA (THC50)	•					
11-nor-∆9-CO		Sit	e A	Sit	е В	Si
conc. (ng/m		-	+	-	+	-
0	10	10	0	10	0	10
25 37.5	10 10	10 9	0	10 8	2	10 9
62.5	10	1	9	1	9	2
75	10	0	10	0	10	0
ARIJUANA (THC25)						
11-nor-∆9-CO		Sit	e A	Sit	е В	S
conc. (ng/m	L) site	-	+	-	+	-
0	10	10	0	10	0	10
12.5	10	10	0	10	0	10
18.75 31.25	10 10	8	9	8	9	2
37.5	10	0	10	0	10	0
METHADONE (MTD300						
Methadone	n per	Sit	e A	Sit	е В	S
conc. (ng/m	L) site	-	+	-	+	-
0	10	10	0	10	0	10
150	10	10	0	10	0	10
225 375	10	9	9	9	9	9
450	10	0	10	0	10	0
METHADONE (MTD200		Ū	10	·	10	
Methadone		Sit	e A	Sit	е В	S
conc. (ng/m		-	+	-	+	-
0	10	10	0	10	0	10
100	10	10	0	10	0	10
150	10	8	2	8	2	8
250 300	10 10	0	9 10	0	9	0
METHAMPHETAMINE (U	10	_ 0	10	U
Methamphetan		Sit	e A	Sit	е В	S
conc. (ng/ml		-	+	-	+	-
0	10	10	0	10	0	10
500	10	10	0	10	0	10
750	10	9	1	9	1	9
1,250	1.0	,			8	
	10	1	9	2		1
1,500	10	0	10	0	10	0
1,500 METHAMPHETAMINE (10 MET 500)	0	10	0		0
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml	10 MET 500) nine n per L) site	0 Sit	10 e A +	0 Sit	10 e B +	0 Si
1,500 METHAMPHETAMINE (Methamphetan	10 MET 500) nine n per	0 Sit	10 e A	0 Sit	10 e B	0 S
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml) 0	10 MET 500) nine n per site 10	0 Sit	10 e A + 0	0 Sit - 10	10 e B + 0	0 Si - 10
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250	10 MET 500) nine n per site 10 10	0 Sit - 10 10	10 e A + 0 0	0 Sit - 10 10	10 e B + 0 0	0 Si - 10 10
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250 375 625 750	10 MET 500) nine n per site 10 10 10 10 10 10	0 Sitt - 10 10 9	10 e A + 0 0	0 Sit - 10 10 9	10 e B + 0 0	0 - 10 10 9
1,500 IETHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250 375 625 750 IETHAMPHETAMINE (10 MET 500) nine n per site 10 10 10 10 10 10 10 MET300)	0 Sit - 10 10 9 1	10 e A + 0 0 1 1 9	0 Sit - 10 10 9 1	10 e B + 0 0 1 1 9	0 Si - 10 10 9 1
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250 375 625 750 METHAMPHETAMINE (Methamphetar	10 MET 500 nine	0 Sit - 10 10 9 1	10 e A + 0 0 11 9 10	0 Sit - 10 10 9 1	10 e B + 0 0 11 9 10	0 - 10 10 9 1
1,500 IETHAMPHETAMINE (Methamphetar conc. (ng/ml) 0 250 375 625 750 IETHAMPHETAMINE (Methamphetar conc. (ng/ml)	10 MET 500) nine n per site 10 10 10 10 10 10 MET 300) nine n per site	Sit 10 10 9 1 1 0 Sit -	10 e A + 0 0 11 9 10 e A	0 Sitt - 10 10 9 1 0 Sitt -	10 e B + 0 0 11 9 10 e B ++	0 S -10 10 9 1 0
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250 375 625 750 METHAMPHETAMINE (Methamphetar conc. (ng/ml) 0 Methamphetar conc. (ng/ml) 0	10 MET 500 n per site 10 10 10 10 10 10 MET300 nine n per site 10 nine n per site 10 10 no site 10 no	Sit 10 10 9 1 0 Sit 10 10 10 10 10 10 10 10 10 10 10 10 10	10 e A + 0 0 11 9 10 e A + 0	Sit - 10 Sit - 10	10 e B + 0 0 11 9 10 e B + 0	0 S - 10 10 9 1 0 S -
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250 375 625 750 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 150	10 MET 500 n per site 10 10 10 10 10 10 10 10 MET300 nine	Sit - 10 10 9 1 1 0 Sit - 10 10 10 10 10 10	10 e A + 0 0 11 9 10 e A + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sit	10 e B + 0 0 11 9 10 e B + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 S - 10 10 9 1 0 S - 10 10
1,500 METHAMPHETAMINE (Methamphetar conc. (ng/ml 0 250 375 625 750 METHAMPHETAMINE (Methamphetar conc. (ng/ml) 0 Methamphetar conc. (ng/ml) 0	10 MET 500 n per site 10 10 10 10 10 10 MET300 nine n per site 10 nine n per site 10 10 no site 10 no	Sit 10 10 9 1 0 Sit 10 10 10 10 10 10 10 10 10 10 10 10 10	10 e A + 0 0 11 9 10 e A + 0	Sit - 10 Sit - 10	10 e B + 0 0 11 9 10 e B + 0	0 S - 10 10 9 1 0 S -

	AMINE (MDMA1, 000) Ecstasy	TRAMADOL (TML 100)		COTININE (COT 100)	
Methylenedioxymethamphetamine		i i	n per Site A Site B Site C		n per Site A Site B Site C
conc. (ng/mL)	site - + - + - +	Tramadol conc. (ng/mL)	site - + - + - +	Cotinine conc. (ng/mL)	site - + - + - +
0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0
500	10 10 0 10 0 10 0	50	10 10 0 10 0 10 0	50	10 10 0 10 0 10 0
750	10 9 1 9 1 8 2	75	10 9 1 9 1 8 2	75	10 9 1 9 1 9 1
1,250	10 1 9 1 9 1 9	125	10 1 9 1 9 2 8	125	10 1 9 1 9 1 9
1,500	10 0 10 0 10 0 10	150	10 0 10 0 10 0 10	150	10 0 10 0 10 0 10
1,000	10 0 10 0 10 0 10	100	10 0 10 0 10	100	10 2 10 2 10
METHYLENEDIOXYMETHAMPHETA		TRAMADOL (TML 200)			(5555.000)
Methylenedioxymethamphetamine		Tramadol conc. (ng/mL)	n per Site A Site B Site C	2-Ethylidene-1,5-dimethyl-3,3-diph	
conc. (ng/mL)	site - + - + - +		site - + - + - +	EDDP conc. (ng/mL)	n per Site A Site B Site C
0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0		site - + - + - +
250	10 10 0 10 0 10 0	100	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0
375	10 8 2 9 1 9 1	150	10 9 1 9 1 8 2	150	10 10 0 10 0 10 0
625	10 1 9 1 9 1 9	250	10 1 9 1 9 2 8	225 375	10 9 1 9 1 9 1 10 1 9 2 8 1 9
750	10 0 10 0 10 0 10	300	10 0 10 0 10 0 10	450	10 1 9 2 8 1 9 10 0 10 0 10 0 10
MORPHINE (MOP 300)	Cit- A Cit- D Cit- C	TRAMADOL (TML 300)	04- A 04- D 04- O	2-Ethylidene-1,5-dimethyl-3,3-diph	
Morphine conc. (ng/mL)	n per Site A Site B Site C site - + - + - +	Tramadol conc. (ng/mL)	n per Site A Site B Site C site - + - +		00.4
O		0		EDDP conc. (ng/mL)	n per Site A Site B Site C
150	 	0 150		0	10 10 0 10 0 10 0
225	10 10 0 10 0 10 0 10 9 1 9 1 9 1	225	10 10 0 10 0 10 0 10 9 1 9 1 8 2	50	10 10 0 10 0 10 0
375	10 9 1 9 1 9 1	375	10 9 1 9 1 8 2	75	10 9 1 9 1 9 1
450	10 1 9 1 9 1 9	450	10 1 9 1 9 2 8	125	10 1 9 1 9 1 9
MORPHINE (MOP 100)	10 0 10 0 10 0 10	KETAMINE (KET1, 000)	10 0 10 0 10 0 10	150	10 0 10 0 10 0 10
Morphine	n per Site A Site B Site C		n per Site A Site B Site C	Fentanyl (FYL20)	
conc. (ng/mL)	site - + - + - +	Ketamine conc. (ng/mL)	site - + - + - +		n per Site A Site B Site C
0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0	FYL conc. (ng/mL)	site - + - + - +
50	10 10 0 10 0 10 0	500	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0
75	10 9 1 9 1 9 1	750	10 9 1 8 2 9 1	10	10 10 0 10 0 10 0
125	10 1 9 1 9 1 9	1,250	10 1 9 1 9 2 8	15	10 9 1 9 1 9 1
150	10 0 10 0 10 0 10	1,500	10 0 10 0 10 0 10	25	10 1 9 1 9 1 9
METHAQUALONE (MQL 300)		KETAMINE (KET500)		30	10 0 10 0 10 0 10
Methaqualone	n per Site A Site B Site C	Ketamine conc. (ng/mL)	n per Site A Site B Site C	Fentanyl (FYL10)	
conc. (ng/mL)	site - + - + - +	Retarnine conc. (ng/mL)	site - + - + - +	FYL conc. (ng/mL)	n per Site A Site B Site C
0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0		site - + - + - +
150	10 10 0 10 0 10 0	250	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0
225	10 9 1 9 1 9 1	375	10 9 1 9 1 8 2	5	10 10 0 10 0 10 0
375	10 1 9 1 9 1 9	625	10 1 9 1 9 2 8	7.5	10 9 1 9 1 9 1
450	10 0 10 0 10 0 10	750	10 0 10 0 10 0 10	12.5	10 1 9 1 9 1 9
MORPHINE/OPIATE (OPI 2,000)		KETAMINE (KET300)		15	10 0 10 0 10 0 10
Morphine	n per Site A Site B Site C	Ketamine conc. (ng/mL)	n per Site A Site B Site C	K2 50	n ner Site A Site B Site C
conc. (ng/mL)	site - + - + - +		site - + - + - +	K2 conc. (ng/mL)	n per Site A Site B Site C site - + - + - +
0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0	0	10 10 0 10 0 10 0
1,000	10 10 0 10 0 10 0	150	10 10 0 10 0 10 0	25	10 10 0 10 0 10 0
1,500 2,500	10 9 1 9 1 9 1 10 1 9 1 9 1 9	225 375	10 9 1 9 1 9 1 10 1 9 1 9 1 9	37.5	10 8 2 8 2 9 1
3,000	10 1 9 1 9 1 9	450	10 1 9 1 9 1 9		
PHENCYCLIDINE (PCP)		KETAMINE (KET100)		62.5	1 10 1 1 1 9 1 2 1 8 1 2 1 8 1
` '			1 . .	62.5 75	10 1 9 2 8 2 8
	Site A Site B Site C			62.5 75 K2 30	10 1 9 2 8 2 8 10 0 10 0 10 0 10
Phencyclidine conc. (ng/mL)	n per Site A Site B Site C	KETAMINE (RE1100) Ketamine conc. (ng/mL)	n per	75 K2 30	
conc. (ng/mL)	site - + - + - +		n per Site A Site B Site C	75	10 0 10 0 10 0 10
conc. (ng/mL)	site - + - + - + - + 10 10 0 10 0 10 0	Ketamine conc. (ng/mL)	n per site Site A Site B Site C 10 10 0 10 0 10 0	75 K2 30	10 0 10 0 10 0 10 10 10 n per Site A Site B Site C
conc. (ng/mL) 0 12.5	Site	Ketamine conc. (ng/mL)	n per site Site A Site B Site C 10 10 0 10 0 10 0	75 K2 30 K2 conc. (ng/mL)	10
conc. (ng/mL) 0 12.5 18.75	site - + - + - + - + 10 10 0 10 0 10 0	Ketamine conc. (ng/mL) 0 50 75	n per site Site A site B site C site 10 10 0 10 0 10 0 10 10 0 10 0 10 0	75 K2 30 K2 conc. (ng/mL) 0	10
conc. (ng/mL) 0 12.5	Site	Ketamine conc. (ng/mL) 0 50	n per site Site A Site B Site C - + - + - + 10 10 0 10 0 10 0 10 10 0 10 0 10 0 10 9 1 9 1 9 1	75 K2 30 K2 conc. (ng/mL) 0 15	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5	Site	Ketamine conc. (ng/mL) 0 50 75 125	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5	site - + -	Ketamine conc. (ng/mL) 0 50 75 125 150 Oxycodone (OXY100)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene	site - + -	Ketamine conc. (ng/mL) 0 50 75 125 150	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL)	Site - + - + - + - + + - + + + - + + +	Ketamine conc. (ng/mL)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL)	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0	Site - + - + - +	Ketamine conc. (ng/mL)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL)	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 G-MAM 6-MAM conc. (ng/mL) 0 5 7.5	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TG	Site - + - + - + - + + - + + + +	Ketamine conc. (ng/mL)	n per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TO	Site - + - + - + - + + - + + + +	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TO Nortriptyline conc. (ng/mL)	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500 MDA conc. (ng/mL)	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TO Nortriptyline conc. (ng/mL) 0 0	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500 MDA conc. (ng/mL) 0	10
conc. (ng/mL)	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500 MDA conc. (ng/mL) 0 250	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TO Notriptyline conc. (ng/mL) 0 500 750	New York Site Sit	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500 MDA conc. (ng/mL) 0 250 375	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TO Nortriphyline conc. (ng/mL) 0 500 750 1,250	Site - + - + - + - + + + + + +	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500 MDA conc. (ng/mL) 0 250 375 625	10
conc. (ng/mL) 0 12.5 18.75 31.25 37.5 PROPOXYPHENE (PPX) Propoxyphene conc. (ng/mL) 0 150 225 375 450 TRICYCLIC ANTIDEPRESSANTS (TO Notriptyline conc. (ng/mL) 0 500 750	New York Site Sit	Ketamine conc. (ng/mL)	N per Site A Site B Site C	75 K2 30 K2 conc. (ng/mL) 0 15 22.5 37.5 45 6-MAM 6-MAM conc. (ng/mL) 0 5 7.5 12.5 15 MDA 500 MDA conc. (ng/mL) 0 250 375	10

Ethyl Glucuronide	n per	Site A		Site B		Site C	
Concentration (ng/mL)	Site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
250	10	10	0	10	0	10	0
375	10	8	2	8	2	9	1
625	10	1	9	2	8	2	8
750	10	0	10	0	10	0	10

ETG1,000

Ethyl Glucuronide	n per	Site A		Site B		Site C	
Concentration (ng/mL)	Site	-	+		+	-	+
0	10	10	0	10	0	10	0
500	10	10	0	10	0	10	0
750	10	8	2	8	2	9	1
1250	10	1	9	2	8	2	8
1500	10	0	10	0	10	0	10

CLO 400

Clonazepam	n per	Site A		Site B		Site C	
Concentration (ng/mL)	Site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
200	10	10	0	10	0	10	0
300	10	9	1	8	2	9	1
500	10	1	9	2	8	1	9
600	10	0	10	0	10	0	10

CLO 150

Clonazepam	n per	Sit	e A	Sit	te B	Sit	te C
Concentration (ng/mL)	Site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
75	10	10	0	10	0	10	0
112	10	9	1	8	2	9	1
187	10	1	9	2	8	1	9
225	10	0	10	0	10	0	10

LSD 20

Clonazepam	n per	Sit	e A	Sit	te B	Sit	te C
Concentration (ng/mL)	Site	·	+	·	+		+
0	10	10	0	10	0	10	0
10	10	10	0	10	0	10	0
15	10	9	1	9	1	9	1
25	10	1	9	1	9	1	9
30	10	0	10	0	10	0	10

LSD 50

Clonazepam	n per	Sit	e A	Si	te B	Si	te C
Concentration (ng/mL)	Site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
25	10	10	0	10	0	10	0
37.5	10	9	1	9	1	9	1
62.5	10	1	9	1	9	1	9
75	10	0	10	0	10	0	10

	nenidate (Ritalin)	n per	511	e A	51	eв	51	te C
Concer	ntration (ng/mL)	Site	·	+	•	+	•	+
	0	10	10	0	10	0	10	0
	500	10	10	0	10	0	10	0
	750	10	9	1	8	2	9	1
	1250	10	1	9	2	8	1	9
	1500	10	0	10	0	10	0	10

ZOL

Zolpidem	n per	Sit	e A	Sit	te B	Sit	te C
Concentration (ng/mL)	Site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
25	10	9	1	10	0	10	0
75	10	0	10	1	9	0	10

Analytical Sensitivity

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

Drug Concentration		CE 100		ИР)00	AMF	P500	AMF	300	BAR	300	BAR	200	BZC	500	BZC	300
Cut-off Range	-	+	-	+	-	+	-	+	-	+		+	-	+		+
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	16	14	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	BZC	200	BZC	0100	BU	P 10	BU	P5	COO	2300	COC	200	COC	150	COC	2100
Concentration Cut-off Range	-	+	-	+	-	+	-	+	-	+	-	+	-	+		+
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	27	3	27	3	26	4	26	4	26	4	26	4	27	3	27	3
Cut-off	16	14	14	16	14	16	14	16	13	17	14	16	16	14	16	14
+25% Cut-off	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
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration	THO	2150	TH	C50	TH	C25	МТЕ	0300	MTE	200	MET	1,00)	ME	Γ500	MET	Γ300
Cut-off Range	-	+	-	+		+		+	-	+	-	+		+	-	+
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	27	3	26	4	27	3	26	4	25	5	27	3	27	3	27	3
Cut-off	15	15	14	16	15	15	14	16	15	15	16	14	16	14	15	15
+25% Cut-off	4	26	3	27	4	26	3	27	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		MA 000		MA 00	M0	OP 00		OP 00	0	PI	PO	CP	PF	PΧ	TC	CA
Cut-off Range	-	+		+	-	+	-	+		+	-	+		+	-	+
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	27	3	26	4	27	3	25	5	26	4	27	3
Cut-off	15	15	14	16	15	15	15	15	14	16	15	15	15	15	16	14
+25% Cut-off	5	25	4	26	5	25	3	27	4	26	3	27	3	27	4	26
+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		ЛL 00		ЛL 00	TN 30	ЛL 00	1,0	ET 000	KI 50	ET 00	KI 30	ET 00	KI 10	ET 00	М	QL
Cut-off Range	-	+		+	•	+	•	+		+		+	٠	+	•	+
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	27	3	27	3	27	3	27	3	27	3	26	4	27	3	26	4
Cut-off	15	15	15	15	15	15	15	15	15	15	16	14	15	15	15	15
+25% Cut-off	4	26	4	26	3	27	3	27	4	26	4	26	3	27	3	25
+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	0	ΧY		OT OO	C(00 TC	ED 30		ED 10	DP 00	F 2	YL :0	F 1	0 7	K 5	
Cut-off Range	-	+	-	+	•	+		+	-	+		+		+	-	+
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	27	3	27	з	27	3	27	3	26	4	27	3	27	3	27	3
Cut-off	15	15	15	15	14	16	15	15	15	15	14	16	15	15	15	15
+25% Cut-off	4	26	4	26	4	26	4	26	3	27	4	26	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	K2	30	6-MA	M 10	MDA	500	ETG	500	ETG	1000	CLO	400	CLO	150
Cut-off Range	-	+	-	+	-	+		+		+		+	•	+
0% Cut-off	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
-25% Cut-off	27	3	27	3	26	4	26	4	26	4	26	4	26	4
Cut-off	16	14	15	15	15	15	15	15	15	15	14	16	14	16
+25% Cut-off	4	26	4	26	3	27	3	27	3	27	5	25	5	25
+50% Cut-off	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

Drug Concentration	LSI	D20	LSI	250	M	2D	Z)L
Cut-off Range	-	+		+	-	+	-	+
0% Cut-off	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	29	1
-25% Cut-off	27	3	27	3	26	4	*	*
Cut-off	14	16	14	16	14	16	15	15
+25% Cut-off	3	27	3	27	5	25	*	*
+50% Cut-off	0	30	0	30	0	30	1	29
+300% Cut-off	0	30	0	30	0	30	0	30
	Cut-off Range 0% Cut-off -50% Cut-off -25% Cut-off Cut-off +25% Cut-off +50% Cut-off	Cut-off Range - 0% Cut-off 30 -50% Cut-off 30 -25% Cut-off 27 Cut-off 14 +25% Cut-off 3 +50% Cut-off 0	Cut-off Range - + 0% Cut-off 30 0 -50% Cut-off 30 0 -25% Cut-off 27 3 Cut-off 14 16 +25% Cut-off 3 27 +50% Cut-off 0 30	Cut-off Range - + - 0% Cut-off 30 0 30 -50% Cut-off 30 0 30 -25% Cut-off 27 3 27 Cut-off 14 16 14 +25% Cut-off 3 27 3 +50% Cut-off 0 30 0	Cut-off Range - + - + 0% Cut-off 30 0 30 0 -50% Cut-off 30 0 30 0 -25% Cut-off 27 3 27 3 Cut-off 14 16 14 16 +25% Cut-off 3 27 3 27 +50% Cut-off 0 30 0 30	Cut-off Range - + - + - + - <	Cut-off Range - + - - + - - + - - + - <	Cut-off Range - + - + - + - + - + - + - + - + - + - + - + - + - + - + - + - + - + - + - + - - + - + - + - + - + - - + - - + - - + - - + - - + - - + - - - - 3 0 30 0 30 0 20 30 0 30 0 30 0 30 0 30 0 30 0 30 0 30 0 30 0 30 0 30 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 Panelat 5 minutes.

sitive in urine by the Multi-D			
Analytes	Concentratio n (ng/mL)	Analytes	Concentration (ng/mL)
		NOPHEN (ACE)	r· (··g···-)
Acetaminophen	5,000		
S. A. J.		IINE (AMP 1,000)	4 000
D,L-Amphetamine sulfateAmphetamine	300 25,000	Phentermine Maprotiline	1,000 50,000
±) 3,4-Methylenedioxy		Methoxyphenamine	6,000
amphetamine	500	D-Amphetamine	1,000
		MINE (AMP 500)	
D,L-Amphetamine sulfateAmphetamine	150 12,500	Phentermine Maprotiline	500 25,000
±) 3,4-Methylenedioxy	<u> </u>	Methoxyphenamine	3,000
amphetamine	250	D-Amphetamine	500
		MINE (AMP 300)	
D,L-Amphetamine sulfate	75 10,000	Phentermine Maprotiline	300 15,000
Amphetamine ±) 3,4-Methylenedioxy		Methoxyphenamine	2,000
amphetamine	150	D-Amphetamine	300
		ATES (BAR 300)	
Amobarbital	5,000	Alphenol	600
5,5-Diphenylhydantoin Allobarbital	8,000 600	Aprobarbital Butabarbital	500 200
Barbital	8,000	Butalbital	8,000
Talbutal	200	Butethal	500
Cyclopentobarbital Pentobarbital	30,000 8,000	Phenobarbital Secobarbital	300 300
emobarbitai		ATES (BAR 200)	D 000
Amobarbital	3,000	Alphenol	400
5,5-Diphenylhydantoin	5,000	Aprobarbital	300
Allobarbital	400	Butabarbital	150 5,000
Barbital Falbutal	5,000 150	Butalbital Butethal	300
Cyclopentobarbital	20,000	Phenobarbital	200
Pentobarbital	5,000	Secobarbital	200
		EPINES (BZO 500)	4.500
Alprazolam a-hydroxyalprazolam	200 2,500	Bromazepam Chlordiazepoxide	1,500 1,500
Clobazam	300	Nitrazepam	300
Clonazepam	800	Norchlordiazepoxide	200
Clorazepatedipotassium Delorazepam	800 1,500	Nordiazepam Oxazepam	1,500 500
Desalkylflurazepam	300	Temazepam	300
-lunitrazepam	300	Diazepam	500
±) Lorazepam RS-Lorazepamglucuronide	5,000 300	Estazolam Triazolam	10,000 5,000
Midazolam	10,000	mazoiam	0,000
	BENZODIAZI	EPINES (BZO 300)	
Alprazolam	100	Bromazepam	900
a-hydroxyalprazolam	1,500 200	Chlordiazepoxide Nitrazepam	900 200
Clobazam Clonazepam	500	Norchlordiazepoxide	100
Clorazepatedipotassium	500	Nordiazepam	900
Delorazepam Desalkylflurazepam	900 200	Oxazepam Temazepam	300 100
Flunitrazepam	200	Diazepam	300
±) Lorazepam	3,000	Estazolam	6,000
RS-Lorazepamglucuronide Midazolam	200 6,000	Triazolam	3,000
		EPINES (BZO 200)	_i
Alprazolam	70	Bromazepam	600
a-hydroxyalprazolam	1,000	Chlordiazepoxide	600
Clobazam	120 300	Nitrazepam	120 70
Clonazepam Clorazepatedipotassium	300	Norchlordiazepoxide Nordiazepam	600
Delorazepam	600	Oxazepam	200
Desalkylflurazepam	120 120	Temazepam	70
Flunitrazepam ±) Lorazepam	2,000	Diazepam Estazolam	200 4,000
RS-Lorazepamglucuronide	120	Triazolam	2,000
Midazolam	4,000		
<u>. </u>		EPINES (BZO 100)	hoo
Alprazolam a-hydroxyalprazolam	40 500	Bromazepam Chlordiazepoxide	300 300
Clobazam	60	Nitrazepam	60
Clonazepam	150	Norchlordiazepoxide	40
Clorazepatedipotassium Delorazepam	150 300	Nordiazepam Oxazepam	300 100
Desalkylflurazepam	60	Temazepam	40
Flunitrazepam	60	Diazepam	100

(±) Lorazepam	1,000	Estazolam	2,000
RS-Lorazepamglucuronide	60	Triazolam	1,000
Midazolam r	2,000	DUINE (DUD 40)	<u> </u>
Buprenorphine	HO	PHINE (BUP 10) Norbuprenorphine	50
Buprenorphine 3-D-Glucuronide		Norbuprenorphine 3-D-Glucuronide	100
		RPHINE (BUP 5)	
Buprenorphine Buprenorphine 3-D-Glucuronide	5	Norbuprenorphine Norbuprenorphine 3-D-Glucuronide	25 50
Suprenorphine 3-D-Glucuronide		IE (COC 300)	pu
Benzoylecgonine	300	Cocaethylene	20,000
Cocaine HCI	200	Ecgonine	30,000
D		E (COC 200)	40.500
Benzoylecgonine Cocaine HCI	200 135	Cocaethylene Ecgonine	13,500 20,000
occanio i i oi		IE (COC 150)	20,000
Benzoylecgonine	150	Cocaethylene	1,0000
Cocaine HCI	120	Ecgonine	15,000
Benzoylecgonine	100	IE (COC 100) Cocaethylene	7,000
Cocaine HCI	80	Ecgonine	10,000
	MARIJU/	NA (THC150)	
Cannabinol	100,000	△8-THC	50,000
11-nor-△8-THC-9 COOH	100	△9-THC	50,000
11-nor-△9-THC-9 COOH	MARIIII	ANA (THC50)	l
Cannabinol	35,000	ANA (THC50) △8-THC	17,000
11-nor-△8-THC-9 COOH	30	△9-THC △9-THC	17,000
11-nor-△9-THC-9 COOH	50		
		ANA (THC25)	la ====
Cannabinol 11-nor-△8-THC-9 COOH	17,500 15	△8-THC △9-THC	8,500 8.500
11-nor-△9-THC-9 COOH	25	20 1110	0,000
		ONE (MTD300)	
Methadone	300	Doxylamine	100,000
		ONE (MTD200)	
Methadone	200	Doxylamine (Control of the Control o	65,000
		AMINE (MET1, 000)	4.0 E00
p-Hydroxymethamphetamine D-Methamphetamine	25,000 1,000	(±)-3,4-Methylenedioxy- methamphetamine	12,500
L-Methamphetamine	20,000	Mephentermine	50,000
		TAMINE (MET500)	
	12,500	(±)-3,4-Methylenedioxy-	6,250
D-Methamphetamine L-Methamphetamine	500 10,000	methamphetamine Mephentermine	05 000
		TAMINE (MET300)	25,000
o-Hydroxymethamphetamine	7,500	(±)-3,4-Methylenedioxy-	3,750
D-Methamphetamine	300	methamphetamine	
L-Methamphetamine	6,000	Mephentermine	15,000
METHYLENEDIOX	METHAMP	PHETAMINE (MDMA1, 000) E	cstasy
(±) 3,4-Methylenedioxy	1,000	3,4-Methylenedioxyethyl-amphetami	600
methamphetamine HCI	.,555	ne	- 50
(±)	6 000		
3,4-Methylenedioxyamphetamin e HCI	0,000		
	YMETHAM	PHETAMINE (MDMA500) Ec	stasy
(±) 3,4-Methylenedioxy	500	3,4-Methylenedioxyethyl-amphetami	300
methamphetamine HCI		ne	
(±) 3,4-Methylenedioxyamphetamin	3,000		
e HCI			
		NE (MOP 300)	
Codeine	200	Norcodeine	6,000
Levorphanol Morphine-3-β-D-Glucuronide	1,500 800	Normorphone Oxycodone	50,000 30,000
Ethylmorphine	6,000	Oxymorphone	50,000
Hydrocodone	50,000	Procaine	15,000
Hydromorphone	3,000	Thebaine	6,000
6-Monoacethylmorphine	300 MODDIII	Morphine	300
Codeine	MORPHII 80	NE (MOP 100) Norcodeine	2,000
_evorphanol	500	Normorphone	20,000
Morphine-3-β-D-Glucuronide	300	Oxycodone	10,000
Ethylmorphine	2,000	Oxymorphone	20,000
Hydrocodone	20,000	Procaine Thebaine	5,000
Hydromorphone 6-Monoacethylmorphine	1,000 200	Morphine	2,000 100
		lone (MQL 300)	. 50
		···· \··· ¬= •••/	
Vethaqualone	300		
Methaqualone Codeine		DPIATE (OPI 2,000) Morphine	2,000

Ed. I. I.	0.000	la i i i	05.000
Ethylmorphine	3,000		25,000
Hydrocodone	50,000		50,000
Hydromorphone	15,000	Oxycodone	25,000
Levorphanol	25,000	Oxymorphone	25,000
6-Monoacetylmorphine	3,000	Procaine	50,000
Morphine 3-β-D-glucuronide	2,000		25,000
р с р = д			,
		CLIDINE (PCP)	
Phencyclidine	25	4-Hydroxyphencyclidine	12,500
	PROPOX	YPHENE (PPX)	
D. Dranavimhana	300		200
D-Propoxyphene			300
TRIC	CYCLIC ANTI	DEPRESSANTS (TCA)	
Nortriptyline	1,000	Imipramine	400
Vordoxepine	500		50,000
Trimipramine	3,000	Doxepine	2,000
Amitriptyline	1,500		2,000
Promazine	3,000		50,000
Desipramine	200	Perphenazine	50,000
Cyclobenzaprine	2,000		
,		OOL (TML 100)	
		, ,	
n-Desmethyl-cis-tramadol	200		10,000
Cis-tramadol	100	Phencyclidine	100,000
Procyclidine	100,000	d,I-O-Desmethyl venlafaxine	50,000
		OOL (TML 200)	
Doemothyl sic tramadal	400		20,000
n-Desmethyl-cis-tramadol			
Cis-tramadol	200		200,000
Procyclidine	200,000	d,I-O-Desmethyl venlafaxine	100,000
		OOL (TML 300)	
n-Desmethyl-cis-tramadol	600	o-Desmethyl-cis-tramadol	30,000
Cis-tramadol	300		300,000
Procyclidine	300,000		150,000
- TOCYCIIUII TE			130,000
	KETAMIN	NE (KET1, 000)	
Ketamine	1,000	Benzphetamine	25,000
Dextromethorphan	2,000	(+) Chlorpheniramine	25,000
Methoxyphenamine	25,000		100,000
d-Norpropoxyphene	25,000		50,000
Promazine	25,000		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	I-Methamphetamine	50,000
(1R, 2S) - (-)-Ephedrine	100,000	3,4-Methylendioxymethamphetamine	100,000
		(MDMA)	
Disopyramide	25,000	Thioridazine	50,000
.,		INE (KET500)	
Ketamine	500		12,500
Dextromethorphan	1,000	(+) Chlorpheniramine	12,500
Methoxyphenamine	12,500	Clonidine	50,000
d-Norpropoxyphene	12,500	EDDP	25,000
Promazine	12,500		25,000
		4-i iyaroxypriencyclianie	
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	I-Methamphetamine	25,000
	50,000		
(1R, 2S) - (-)-Ephedrine	50,000	3,4-Methylendioxymethamphetamine (MDMA)	50,000
Disopyramide	12,500		25,000
	KETAM	INE (KET300)	
Ketamine	300		6,250
Dextromethorphan	600		6,250
Methoxyphenamine	6,250		30,000
d-Norpropoxyphene	6,250	EDDP	15,000
Promazine	6,250	4-Hydroxyphencyclidine	15,000
Promethazine	6,250		15,000
Pentazocine	6,250	MDE	15,000
Phencyclidine	6,250		6.250
Tetrahydrozoline	150		15,000
		d-Methamphetamine	
Mephentermine	6,250	I-Methamphetamine	15,000
1R, 2S) - (-)-Ephedrine	30,000	3,4-Methylendioxymethamphetamine	30,000
		(MDMA)	
Disopyramide	6,250	Thioridazine	15,000
		INE (KET100)	,
Ketamine	100		2,000
Dextromethorphan	200		2,000
Methoxyphenamine	2,000		10,000
d-Norpropoxyphene	2,000		5,000
Promazine	2,000	4-Hydroxyphencyclidine	5,000
Promethazine		I avarahanal	5,000
Pentazocine	2,000	Levorphanol	
			5,000
Phencyclidine	2,000 2,000	MDE	5,000 2.000
	2,000 2,000 2,000	MDE Meperidine	2,000
Tetrahydrozoline	2,000 2,000 2,000 50	MDE Meperidine d-Methamphetamine	2,000 5,000
Phencyclidine Tetrahydrozoline Mephentermine	2,000 2,000 2,000 50 2,000	MDE Meperidine d-Methamphetamine I-Methamphetamine	2,000 5,000 5,000
Tetrahydrozoline	2,000 2,000 2,000 50	MDE Meperidine d-Methamphetamine	2,000 5,000

Disopyramide	2,000	3,4-Methylendioxymethamphetamir (MDMA)	1e 10,000
	Oxycor	done (OXY100)	
Oxycodone	100	Hydromorphone	50,000
Oxymorphone	300	Naloxone	25,000
_evorphanol	50,000	Naltrexone	25,000
Hydrocodone	25,000		
	Cotini	ine (COT 200)	
-)-Cotinine	200	(-)-Nicotine	5,000
	Cotini	ne (COT 100)	
-)-Cotinine	100	(-)-Nicotine	2,500
2-Ethylidene-1.5	-dimethyl-3	3,3-diphenylpyrrolidine (EDI	DP300)
2-Ethylidene-1,5-dimethyl-3,3-	diphenylpyrroli	dine (EDDP)	300
		3,3-diphenylpyrrolidine (EDI	DP100)
2-Ethylidene-1,5-dimethyl-3,3-			100
, , , , , , , , , , , , , , , , , , , ,		anyl (FYL20)	
Alfentanyl	600,000	Buspirone	15,000
enfluramine	50.000	Fentanyl	100
Norfentanyl	20	Sufentanyl	50,000
	Fenta	anyl (FYL10)	
Alfentanyl	300,000	Buspirone	8,000
enfluramine	25,000	Fentanyl	50
Norfentanyl	10	Sufentanyl	25,000
	Synthetic	Marijuana (K2-50)	
JWH-018 5-Pentanoic acid	50	JWH-073 4-butanoic acid	50
JWH-018 4-Hydroxypentyl	400	JWH-018 5-Hydroxypentyl	500
IWH-073 4-Hydroxybuty	500		
	Synthetic	Marijuana (K2-30)	
WH-018 5-Pentanoic acid	30	JWH-073 4-butanoic acid	30
IWH-018 4-Hydroxypentyl	250	JWH-018 5-Hydroxypentyl	300
JWH-073 4-Hydroxybuty	300		
	mono-acet	o-morphine (6-MAM)	
Codeine	10	Morphine	10
Ethylmorphine	200	Norcodeine	200
Hydrocodone	2,000	Normorphone	2,000
Hydromorphone	100	Oxycodone	1,000
evorphanol	50	Oxymorphone	2,000
S-Monoacethylmorphine	10	Procaine	500
Morphine 3-β-D-glucuronide	30	Thebaine	200
(±) 3, 4-M	ethylenedic	oxyamphetamine (MDA 500)	
±) 3,4-Methylenedioxy	500	Methoxyphenamine	5,000
amphetamine		D-Amphetamine	2,000
O,L-Amphetamine sulfate	400	Phentermine	2,000
Amphetamine	30,000	Maprotiline	100,000
E		lucuronide(ETG500)	
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	USUKANIAA/ETC1 000\	
		ucuronide(ETG1,000)	400.000
Ethyl- β -D-Glucuronide	1,000	Propyl β-D-glucuronide Morphine 6β-glucuronide	100,000
Morphine 3β-glucuronide Glucuronic Acid	>100,000 >100,000	Ethanol	>100,000
Methanol	>100,000	E a latio	- 100,000
vieti iai ioi		EPAM(CLO 400)	
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
	250	Norchlordiazepoxide	200
	600	Nordiazepam	1,000
Clorazepatedipotassium			
Clobazam Clorazepatedipotassium Delorazepam	1,000	Oxazepam	350
Clorazepatedipotassium Delorazepam Desalkylflurazepam	1,000 250	Oxazepam Temazepam	150
Clorazepatedipotassium Delorazepam Desalkylflurazepam Diazepam	1,000 250 300	Oxazepam	
Clorazepatedipotassium Delorazepam Desalkylflurazepam Diazepam	1,000 250 300 1,250	Oxazepam Temazepam Triazolam	150
Clorazepatedipotassium Delorazepam Desalkylflurazepam Diazepam Estazolam	1,000 250 300 1,250 CLONAZ	Oxazepam Temazepam Triazolam EPAM(CLO 150)	150 5,000
Clorazepatedipotassium Delorazepam Delorazepam Diazepam Estazolam Clonazepam	1,000 250 300 1,250 CLONAZ	Oxazepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam	150 5,000 120
Clorazepatedipotassium Delorazepam Delorazepam Diazepam Estazolam Clonazepam	1,000 250 300 1,250 CLONAZ 150 75	Oxazepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam	150 5,000 120 500
Clorazepatedipotassium Delorazepam Desaikyfilurazepam Diazepam Estazolam Clonazepam Alprazolam Alprazolam Alprazolam Alprazolam	1,000 250 300 1,250 CLONAZ 150 75	Oxazepam Temazepam Triazolam Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide	150 5,000 120 500 100
Clorazepatedipotassium Delorazepam Delorazepam Diazepam Estazolam Clonazepam Alprazolam Alprazolam Browazepam Browazepam	1,000 250 300 1,250 CLONAZ 150 75 750 400	Oxacepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam	150 5,000 120 500 100 2,000
Clorazepatedipotassium Delorazepam Delorazepam Diazepam Estazolam Clonazepam Alprazolam Ahprazolam Bhoroxyalprazolam Bhordiazepam Chlordiazepam	1,000 250 300 1,250 CLONAZ 150 75 750 400 400	Oxazepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam	150 5,000 120 500 100 2,000 75
Clorazepatedipotassium Delorazepam Desalkyfilurazepam Diazepam Estazolam Clonazepam Diprazolam Alprazolam Bromazepam Clonazepam Clonazepam Clonazepam Clonazepam Clonazepam Clonazepam Clondazepoxide	1,000 250 300 1,250 CLONAZ 150 75 750 400 400 100	Oxazepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamqlucuronide Midazolam Nitrazepam Norchlordiazepoxide	150 5,000 120 500 100 2,000 75 75
Clorazepatedipotassium Delorazepam Delorazepam Diazepam Stazolam Clonazepam Alprazolam a-hydroxyalprazolam Bromazepam Clonazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepam	1,000 250 300 1,250 CLONAZ 150 75 750 400 400 400 250	Oxacepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam Norchlordiazepoxide Nordiazepam	150 5,000 120 500 100 2,000 75 75 400
Clorazepatedipotassium Desalkylflurazepam Desalkylflurazepam Diazepam Estazolam Clonazepam Alprazolam a-hydroxyalprazolam Bromazepam Clobazam Clobazam Clorazepatedipotassium Delorazepatedipotassium	1,000 250 300 1,250 CLONAZ 150 75 75 400 400 100 250 400	Oxazepam Temazepam Triazolam FPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam Norchlordiazepoxide Nordiazepam Oxazepam Oxazepam	150 5,000 120 500 100 2,000 75 75
Clorazepatedipotassium Delorazepam Desealkyfilurazepam Diazepam Estazolam Clonazepam Alprazolam Alprazolam Bromazepam Clonazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepatedipotassium Desalkyfilurazepam	1,000 250 300 1,250 CLONAZ 150 75 750 400 400 400 250	Oxacepam Temazepam Triazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam Norchlordiazepoxide Nordiazepam	150 5,000 120 500 100 2,000 75 75 400 130
Clorazepatedipotassium Delorazepam Desalkyfilurazepam Diazepam Estazolam Clonazepam Alprazolam Entydroxyalprazolam Promazepam Clobazam Clorazepam Clorazepam Clobazam Delorazepatedipotassium	1,000 250 300 1,250 CLONAZ 150 75 750 400 400 100 250 400	Oxazepam Temazepam Tinazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam Norchlordiazepoxide Nordiazepam Oxazepam Temazepam	150 5,000 120 500 100 2,000 75 75 400 130 60
Clorazepatedipotassium Delorazepam Desaikyfilurazepam Diazepam Estazolam Clonazepam Alprazolam Alprazolam Arbydroxyalprazolam Bromazepam Clobazam Clobazam Clobazam Desaikyfilurazepam Desaikyfilurazepam Dazepam	1,000 250 300 1,250 CLONAZ 150 75 750 400 100 250 400 100 120 500	Oxazepam Temazepam Tinazolam EPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam Norchlordiazepoxide Nordiazepam Oxazepam Temazepam	150 5,000 120 500 100 2,000 75 75 400 130 60
Clorazepatedipotassium Delorazepam Delorazepam Diazepam Stazolam Clonazepam Alprazolam Alprazolam Bromazepam Clonazepam Clonazepam Clonazepam Clonazepam Clonazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepam Clorazepatedipotassium Delorazepam Delorazepam Clorazepam Clorazepa	1,000 250 300 1,250 CLONAZ 150 75 750 400 400 100 100 120 500 6GIC ACID 1 20	Oxazepam Temazepam Triazolam FPAM(CLO 150) Flunitrazepam (±) Lorazepam RS-Lorazepamglucuronide Midazolam Nitrazepam Norchlordiazepoxide Nordiazepam Oxazepam Temazepam Triazolam	150 5,000 120 500 100 2,000 75 75 400 130 60

METHYLPHENIDATE (RITALIN)					
Methylphenidate (Ritalin)	1000	,			
ZOLPIDEM					
Zolpidem	50				
Fife-t-of Helman On-self- Osselter					

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 Panel 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 Panel. The results demonstrate that varying ranges of pH do not interfere with the performance of the test.

Cross-Reactivity

A study was conducted to determine the cross-reactivity of the test with compounds in either drug-free urine or drug positive urine containing, Amphetamine, Barbiturates, Benzodiazepines, Buprenorphine, Cocaine, Marijuana, Methadone, Methamphetamine, Methylenedioxymethamphetamine, Morphine, Tramadol ,Ketamine ,Phencyclidine, Propoxyphene or Tricyclic Antidepressants, Oxycodone, Cotinine, EDDP, Fentanyl, Synthetic Marijuana, 6-mono-aceto-morphine, 3, 4-Methylenedioxymphetamine, Ethyl-β-D-Glucuronide, Clonazepam, Lysergic Acid Diethylamide, Methylphenidate and Zolpidem. The following compounds show no cross-reactivity when tested with the Multi-Drug Rapid Test Panel at a concentration of 100 μg/mL.

Non Cross-Reacting Compounds

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

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\wedge	Attention, see instructions for use		1
IVD	For in vitro		Ţ
IVD	diagnostic use only		
2°C 30°C	Store between 2-30°C	ı	L
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9	damaged		
	Hangzhou AllTest Biotech Co	ı., İ	_td.

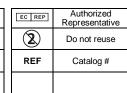
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