Multi-Drug Rapid Test Panel (Urine)

Package Insert

Instruction Sheet for testing of any combination of the following drugs: AMP/BAR/BZO/BUP/COC/THC/MTD/MET/MDMA/MOP/MQL/OPI/PCP/PPX/T CA/TML/KET/OXY/COT/EDDP/FYL/K2/6-MAM

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 concentrations:

Test	Calibrator	Cut-off
Amphetamine (AMP1,000)	d-Amphetamine	(ng/mL) 1,000
Amphetamine (AMP 500)	d-Amphetamine	500
Amphetamine (AMP 300)	d-Amphetamine 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)	Buprenorphine	10
Cocaine (COC 300)	Benzoylecgonine	300
Cocaine (COC150)	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,l-Methylenedioxymethamphe tamine	500
	d I Mathylanadiayymathampha	1,000
Morphine (MOP 300)	Morphine	300
Morphine (MOP 100)	Morphine	100
Methagualone(MQL)	Methagualone	300
Opiate (OPI 2,000)	Morphine	2,000
Phencyclidine (PCP)	Phencyclidine	25
Propoxyphene (PPX)	Propoxyphene	300
Tricyclic Antidepressants (TCA)	Nortriptyline	1,000
Tramadol (TML)	Tramadol	100
Ketamine (KET 1,000)	Ketamine	1.000
Ketamine (KET 1,000)	Ketamine	500
Ketamine (KET 300)	Ketamine	300
Oxycodone (OXY)	Oxycodone	100
, ,	Cotinine	200
Cotinine(COT200)		
Cotinine(COT100)	Cotinine	100
2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine (EDDP300)	3,3-diphenylpyrrolidine	300
2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine (EDDP100)		100
Fentanyl(FYL20)	Norfentanyl	20
Fentanyl(FYL10)	Norfentanyl	10
Synthetic Marijuana (K2-50)	JWH-018、JWH-073	50
Synthetic Marijuana (K2-30)	JWH-018、JWH-073	30
6-mono-acetyl-morphine (6-MAM10)	6-MAM	10

Configurations of the Multi-Drug Rapid Test Panel come with any combination of the above listed drug analytes. 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.

Amphetamine (AMP 1,000)

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 1,000 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).

Amphetamine (AMP 500)

The Multi-Drug Rapid Test Panel yields a positive result when amphetamines in urine exceed500 ng/mL. See Amphetamine (AMP 1,000) for the summary.

Amphetamine (AMP 300)

The Multi-Drug Rapid Test Panel yields a positive result when amphetamines in urine exceed 300 ng/mL. See Amphetamine (AMP 1,000) for the summary.

Barbiturates (BAR 300)

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 physical dependence.

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:

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

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of barbiturates 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 Barbiturate positive specimens.

Barbiturates (BAR 200)

The Multi-Drug Rapid Test Panel yields a positive result when barbiturates in urine exceed 200 ng/mL. See Barbiturates (BAR 300) for the summary.

Benzodiazepines (BZO 500)

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 500 ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for benzodiazepine positive specimens.

Benzodiazepines (BZO 300)

The Multi-Drug Rapid Test Panel yields a positive result when benzodiazepines in urine exceed 300 ng/mL. See Benzodiazepines (BZO 500) for the summary.

Benzodiazepines (BZO 200)

The Multi-Drug Rapid Test Panel yields a positive result when benzodiazepines in urine exceed 200 ng/mL. See Benzodiazepines (BZO 500) for the summary.

Benzodiazepines (BZO 100)

The Multi-Drug Rapid Test Panel yields a positive result when benzodiazepines in urine exceed 100 ng/mL. See Benzodiazepines (BZO 500) for the summary.

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 10 no/mL.

Cocaine (COC 300)

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

ree-base smoking. It is excreted in the urine in a short time primarily as benzoylecgonine. 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 300 ng/ml.. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).

Cocaine (COC 150)

The Multi-Drug Rapid Test Cassette yields a positive result when the concentration of benzoylecgonine in urine exceeds 150 ng/mL. See Cocaine (COC 300) for the summary.

Cocaine (COC 100)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of benzoylecgonine in urine exceeds 100 ng/mL. See Cocaine (COC 300) for the summary.

Marijuana (THC150)

THC (Δ9-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 150 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).

Marijuana (THC50)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of THC-COOH in urine exceeds 50 ng/mL. See Marijuana (THC150)for the summary.

Marijuana (THC25)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of THC-COOH in urine exceeds 25 ng/mL. See Marijuana (THC150) for the summary.

Methadone (MTD300)

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.⁷

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

Methadone (MTD200)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of methadone in urine exceeds 200 ng/mL. See Methadone (MTD300)for the

Methamphetamine (MET 1,000)

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 1,000ng/mL

Methamphetamine (MET 500)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Methamphetamine in urine exceeds 500 ng/mL. See Methamphetamine (MET1,000) for the summary.

Methamphetamine (MET 300)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Methamphetamine in urine exceeds 300 ng/mL. See Methamphetamine (MET1,000) for the summary.

Methylenedioxymethamphetamine (MDMA500)

Methylenedioxymethamphetamine (ecstasy) is a designer drug first synthesized in 1914 by a German drug company for the treatment of obesity. 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 jaws.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Methylenedioxymethamphetamine in urine exceeds 500 ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for Methylenedioxymethamphetamine positive specimens.

Methylenedioxymethamphetamine (MDMA1,000)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of methylenedioxymethamphetamine in urine exceeds 1,000 ng/mL. See methylenedioxymethamphetamine (MDMA500) for the summary.

Morphine (MOP 300)

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 300ng/mL.

Morphine (MOP 100)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of morphine in urine exceeds 100 ng/mL. See Morphine (MOP300) for the summary.

Morphine/Opiate (OPI 2,000)

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.

Methaqualone (MQL)

Methaqualone (Quaalude, Sopor) is a quinazoline derivative that was first synthesized in 1951 and found clinically effective as a sedative and hypnotic 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 300 ng/mL.

Phencyclidine (PCP)

Phencyclidine, 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%).

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).

Propoxyphene (PPX)

Propoxyphene (PPX) is a narcotic analgesic compound bearing structural similarity to methadone. As an analgesic, propoxyphene can be from 50-755 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 metabolites are excreted in urine mostly in the form of metabolites for up to ten days.

The Multi-Drug Rapid Test Panel yields 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 codeine, but has a low binding affinity to the mu-opioid 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 100 ng/mL.

Ketamine(KET1.000)

Ketamine is a dissociative anesthetic developed in 1963 to replace PCP (Phencyclidine). While Ketamine is still used in human anesthesia and veterinary medicine, 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 metabolites (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 1.000ng/mL.

Ketamine (KET500)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Ketamine in urine exceeds 500 ng/mL. See Ketamine(KET1,000) for the summary.

Ketamine (KET300)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Ketamine in urine exceeds 300 ng/mL. See Ketamine(KET1,000) for the summary.

Oxycodone (OXY)

Oxycodone is a semi-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®. While Tylox®, Percodan® and Percocet® contain only small doses 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 100ng/mL.

Cotinine (COT 200)

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%. While 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. \(^{11}\)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 200 ng/ml

Cotinine (COT 100)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Cotinine in urine exceeds 100 ng/mL. See Cotinine(COT200) for the summary.

2-ethylidene-1.5-dimethyl-3.3-diphenylpyrrolidine (EDDP 300)

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. Dexacerbating 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 300 ng/mL. At present, the Substance Abuse and Mental Health Services Administration (SAMHSA) does not have a recommended screening cut-off for EDDP positive specimens.

2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine (EDDP 100)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of EDDP in urine exceeds 100 ng/mL. See EDDP 300 for the summary.

Fentanyl (FYL20)

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 Strip (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 Strip (Urine) yields a positive result when FYL in urine exceeds 20 ng/mL.

Fentanyl (FYL10)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of Norfentanyl in urine exceeds 10 ng/mL. See FLY20for the summary.

Synthetic Marijuana (K2-50)

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 levels of urinary metabolites are found within hours of exposure and remain detectable for 72 hours after smoking (depending on usage/dosage). As of March 1, 2011, five cannabinoids, JWH -018, JWH- 073, CP- 47, JWH- 200 and cannabicyclo hexanol 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 50ng/mL.

Synthetic Marijuana (K2-30)

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of the synthetic marijuana metabolite in urine exceeds 30ng/mL.

6-mono-acetyl-morphine (6-MAM10)

6-Monoacetylmorphine (6-MÀM) or 6-acetylmorphine (6-AM) is one of three active metabolites of heroin (diacetylmorphine), the others being morphine and the much less active 3-monoacetylmorphine (3-MAM). 6-MAM is rapidly created from heroin in the body, and then is either metabolized into morphine or excreted in the urine. 6-MAM remains in the urine for no more than 24 hours. So a urine specimen must be collected soon after the last heroin use, but the presence of 6-MAM guarantees that heroin was in fact used as recently as within the last day. 6-MAM is naturally found in the brain, but in such small quantities that detection of this compound in urine virtually guarantees that heroin has recently been consumed.

The Multi-Drug Rapid Test Panel yields a positive result when the concentration of the 6-Monoacetylmorphine in urine exceeds 10ng/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 strip. 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 strip 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.

TREAGENTS

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 Assay

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

Specimen Storage

Urine specimens may be stored at 2-8°C for up to 48 hours prior to testing. For prolonged storage, specimens may be frozen and stored below -20°C. Frozen specimens should be thawed and mixed well before testing.

[MATERIALS]

Materials Provided

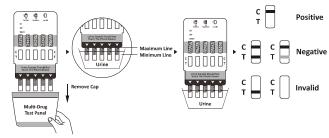
Test Panels

- Package insert
- Materials Required But Not Provided
- Specimen collection container
- timer

[DIRECTIONS FOR USE]

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

- 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 strip 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.
- The result should be read at 5 minutes. Results may be stable up to 1 hour after test initiation.



[INTERPRETATION OF RESULTS]

(Please refer to the illustration above)

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

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

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

INVALID: No line appears in the Control region (C). Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for Control line failure. Read the directions again and repeat the test with a new test panel. 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 adequate membrane wicking.

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]

- 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.
- There is a possibility that technical or procedural errors, as well as interfering substances in the urine specimen may cause erroneous results.
- 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.
- A positive result does not indicate level or intoxication, administration route or concentration in urine.
- 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.
- 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]

This 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.

Meth	nod	GC/		agreement with GC/MS
Multi-Drug Rap	oid Test Panel	Positive	Negative	Ŭ
AMP	Positive	121	2	98.4%
1,000	Negative	2	125	98.4%
AMP	Positive	131	3	99.2%
500	Negative	1	114	97.4%
AMP	Positive	127	2	98.4%
300	Negative	1	120	99.2%
BAR	Positive	109	1	97.3%
300	Negative	3	137	99.3%
BAR	Positive	117	2	98.3%
200	Negative	2	129	98.5%
BZO	Positive	99	2	99.0%
500	Negative	1	148	98.7%
BZO	Positive	120	1	98.4%
300	Negative	2	127	99.2%
BZO	Positive	142	1	99.3%
200	Negative	1	106	99.1%
BZO	Positive	135	3	98.5%
100	Negative	2	110	97.3%
BUP	Positive	124	0	99.2%
DOI	Negative	1	125	>99.9%
COC	Positive	99	1	98.0%
300	Negative	2	148	99.3%
COC	Positive	105	0	99.1%
150	Negative	1	144	>99.9%

Meth		GC/	MS	agreement with GC/MS
Multi-Drug Rap		Positive	Negative	•
COC	Positive	108	0	99.1%
100	Negative	1	141	>99.9%
THC	Positive	133	2	97%
150	Negative	2	113	98.5%
THC	Positive	141	1	>99.9%
50	Negative	0	108	99.1%
THC	Positive	149	1	99.3%
25	Negative	1	109	99.1%
MTD	Positive	106	2	99.1%
300	Negative	1	141	98.6%
MTD	Positive	106	3	98.1%
200	Negative	2	139	97.9%
MET	Positive	93	10	98.9%
1,000	Negative	1	146	93.6%
MET	Positive	100	1	99.0%
500	Negative	1	148	99.3%
MET	Positive	109	2	99.1%
300	Negative	1	138	98.6%
MDMA	Positive	112	1	96.6%
1,000	Negative	4	130	97.0%
MDMA	Positive	126	3	96.2%
500				
	Negative	5	116	97.5%
MOP	Positive	105	6	96.3%
300	Negative	4	135	95.7%
MOP	Positive	116	10	95.9%
100	Negative	5	119	92.2%
MQL	Positive	108	12	90.8%
WIG	Negative	11	119	90.8%
OPI	Positive	116	11	94.3%
011	Negative	7	116	91.3%
PCP	Positive	98	8	95.1%
PGP	Negative	5	139	94.6%
DDV	Positive	117	9	96.7%
PPX	Negative	4	120	93.0%
TO 4	Positive	110	14	94.8%
TCA	Negative	6	120	89.6%
T	Positive	112	11	95.7%
TML	Negative	5	122	91.7%
KET	Positive	102	9	94.4%
1,000	Negative	6	133	93.7%
KET	Positive	113	9	96.6%
500	Negative	4	124	93.2%
	Positive	109	11	94.0%
KET 300	Negative	7	123	91.8%
	Positive	104	1	98.1%
OXY	Negative	2	143	99.3%
COT	Positive	87	4	94.6%
200	Negative	5	154	97.4%
COT	Positive	91	3	95.8%
100		4	152	98.1%
	Negative	82	5	98.8%
EDDP 300	Positive		112	
	Negative	1 87	6	95.7%
EDDP	Positive			96.7%
100	Negative	3	104	94.5%
FYL	Positive	108	10	99.1%
20	Negative	1	131	92.9%
FYL	Positive	110	13	99.1%
10	Negative	1	126	90.6%
K2-50	Positive	62	3	96.9%
112-00	Negative	2	233	98.7%
K2-30	Positive	66	3	98.5%
NZ-3U	Negative	1	230	98.7%
C MANAGO	Positive	87	5	>99.9%
6-MAM10	Negative	0	158	97.4%
The following		tabulated from		

The following results were tabulated from these clinical studies:

	% Agreement with Commercial Kit												
	AMP 1,000	AMP 500	AMP 300	BAR 300	BAR 200	BZO 500	BZO 300	BZO 200	BZO 100	BUP	300		
Positive Agreement	>99.9%	>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%	>99.9%		
Total Results	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%		

	COC 150	COC 100	THC 150	THC 50	THC 25	MTD 300	MTD 200	MET 1,000	MET 500	MET 300
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%

	MDMA 1,000	MDMA 500	MOP 300	MOP 100	MQL	PCP	PPX	KET 1,000	KET 500	KET 300	K2 50
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%	*

	K2 30	OPI	TCA	TML	OXY	COT 200	COT 100	EDDP 300	EDDP 100	FYL 20	FYL 10	6-MAM 10
Positive Agreement	*	*	*	*	*	*	*	*	*	*	*	*
Negative Agreement	*	*	*	*	*	*	*	*	*	*	*	٠
Total Results	*	*	*	*	*	*	*	*	*	*	*	*

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

	% Agreement with GC/MS												
	AMP 1,000	AMP 500	AMP 300	BAR 300	BAR 200	BZO 500	BZO 300	BZO 200	BZO 100	BUP	300		
Positive Agreement	98.4%	99.2%	98.4%	97.3%	98.3%	99.0%	98.4%	99.3%	98.5%	99.2%	98.0%		
Negative Agreement	98.4%	97.4%	99.2%	99.3%	98.5%	98.7%	99.2%	99.1%	97.3%	>99.9%	99.3%		
Total Results	98.4%	98.4%	98.8%	98.4%	98.4%	98.8%	98.8%	99.2%	98.0%	99.6%	98.8%		

	COC 150	COC 100	THC 150	THC 50	THC 25	MTD 300	MTD 200	MET 1,000	MET 500	MET 300	MQL
Positive Agreement	99.1%	99.1%	97%	>99.9%	99.3%	99.1%	98.1%	98.9%	99.0%	99.1%	90.8%
Negative Agreement	>99.9%	>99.9%	98.5%	99.1%	99.1%	98.6%	97.9%	93.6%	99.3%	98.6%	90.8%
Total Results	99.6%	99.6%	98.4%	99.6%	99.2%	98.8%	98.0%	95.6%	99.2%	98.8%	90.8%

	MDMA 1,000	MDMA 500	MOP 300	MOP 100	OPI	PCP	KET 1,000	KET 500	KET 300	K2 50	K2 30
Positive Agreement	96.6%	96.2%	96.3%	95.9%	94.3%	95.1%	94.4%	96.6%	94.0%	96.9%	98.5%
Negative Agreement	97.0%	97.5%	95.7%	92.2%	91.3%	94.6%	93.7%	93.2%	91.8%	98.7%	98.7%
Total Results	96.8%	96.8%	96.0%	94.0%	92.8%	94.8%	94.0%	94.8%	92.8%	98.3%	98.6%

	PPX	TCA	TML	OXY	COT 200	COT 100	EDDP 300	EDDP 100	FYL20	FYL10	6-MAM 10
Positive Agreement	96.7%	94.8%	95.7%	98.1%	94.6%	95.8%	98.8%	96.7%	99.1%	99.1%	>99.9%
Negative Agreement	93.0%	89.6%	91.7%	99.3%	97.4%	98.1%	95.7%	94.5%	92.9%	90.6%	97.4%
Total Results	94.8%	92.0%	93.6%	98.8%	96.4%	97.2%	97.0%	95.5%	95.6%	94.4%	98%
Clinical ca	mnloc	for one	ch dru	a Moro	run uc	ina oa	oh of t	ho Mu	Iti Druz	n Danie	4 Toct

Clinical samples for each drug were run using each of the Multi-Drug Rapid Test Panel by an untrained operator at a professional point of care site. Based on GC/MS data, the operator obtained statistically similar positive agreement, negative agreement and overall agreement rates as trained laboratory personnel.

Precision

A study was conducted at three hospitals by untrained operators using three different lots of product to demonstrate the within run, between run and between operator precision. An identical card of coded specimens, containing drugs at concentrations of \pm 50% and \pm 25% cut-off level, was labeled, blinded and tested at each site. The results are given below:

AMPHETAMINE (AMP 1,000)

Amphetamine	n per	Site	e A	Sit	e B	Site	e C
conc. (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	8	2
1,250	10	2	8	2	8	2	8
1,500	10	0	10	0	10	0	10

AMPHETAMINE (AMP 500)

Amphetamine	n per	Site	e A	Sit	e B	Site C		
conc. (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	8	2	
625	10	2	8	2	8	2	8	
750	10	0	10	0	10	0	10	

ΑM	PHETAMINE (AMP 300)	
	Amphetamine	np

Amphetamine	n per	Site	e A	Sit	e B	Site C		
conc. (ng/mL)	site	-	+	-	+	-	+	
0	10	10	0	10	0	10	0	
150	10	10	0	10	0	10	0	
225	10	7	3	8	2	8	2	
375	10	2	8	2	8	2	8	
450	10	0	10	0	10	0	10	

BARBITURATES (BAR 300)

٦.	HULLOHALLS (DAH 300)							
	Secobarbital	n per	Site	e A	Sit	e B	Site	e C
	conc. (ng/mL)	site	-	+	-	+	-	+
	0	10	10	0	10	0	10	0
	150	10	10	0	10	0	10	0
	225	10	9	1	8	2	8	2
	375	10	2	8	1	9	2	8
	450	10	0	10	0	10	0	10

BARBITURATES (BAR 200)

Secobarbital	n per	Site	e A	Sit	e B	Site	e C
conc. (ng/mL)	site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
100	10	10	0	10	0	10	0
150	10	9	1	9	1	8	2
250	10	2	8	1	9	1	9
300	10	0	10	0	10	0	10

BENZODIAZEPINES (BZO 500)

Oxazepam	n per	Site	e A	Sit	+ - 0 10 0 0 0 10 1 9 9 1 9 1	e C	
conc. (ng/mL)	site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
250	10	10	0	10	0	10	0
375	10	8	2	9	1	9	1
625	10	1	9	1	9	1	9
750	10	0	10	0	10	0	10

BENZODIAZEPINES (BZO 300)

Oxazepam	n per	Sit	e A	Sit	e B	Site	e C
conc. (ng/mL)	site	-	+	-	+	1	+
0	10	10	0	10	0	10	0
150	10	10	0	10	0	10	0
225	10	9	1	9	1	9	1
375	10	1	9	1	9	1	9
450	10	0	10	0	10	0	10

BENZODIAZEPINES (BZO 200)

Oxazepam	n per	Sit	e A	Sit	e B	Site	e C
conc. (ng/mL)	site	1	+	ı	+	1	+
0	10	10	0	10	0	10	0
100	10	10	0	10	0	10	0
150	10	8	2	8	2	9	1
250	10	1	9	1	9	1	9
300	10	0	10	0	10	0	10

BENZODIAZEPINES (BZO 100)

Oxazepam	n per	Site	e A	Sit	e B	Site	e C
conc. (ng/mL)	site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
50	10	10	0	10	0	10	0
75	10	9	1	8	2	9	1
125	10	1	9	1	9	2	8
150	10	0	10	0	10	0	10

BUPRENORPHINE (BUP)

Buprenorphine	n per	Site	e A	Sit	e B	Site	e C
conc. (ng/mL)	site	-	+	-	+	-	+
0	10	10	0	10	0	10	0
5	10	10	0	10	0	10	0
7.5	10	9	1	8	2	8	2
12.5	10	1	9	1	9	1	9
15	10	0	10	0	10	0	10

COCAINE (COC 300)

Site A Site B Site C Benzoylecgonine n per

conc. (ng/mL)	site	-	+	-	+	-	+	0	10	10 0	10	0	10 0		150	10	10 (0 1	10 0	10 0
0	10	10	0	10	0	10	0	250	10	10 0	10	0	10 0		225	10	8 2	2 !	9 1	9 1
150	10	10	0	10	0	10	0	375	10	8 2	9	1	9 1		375	10	1 9	9	1 9	2 8
225	10	9	- 1	8	2	8	2	625		1 9	1	9	1 9		450	10	0 1	0	0 10	0 10
375	10	1	9	1	9	1	9	750		0 10	0	10	0 10	TR	ICYCLIC ANTIDEPRESSAN	S (TCA)			
450	10	0	10	0	10	0	10	METHAMPHETAMINE (MET300)					•	Nortriptyline	n per	Site A		Site B	Site C
COCAINE (COC 150)	1								n per	Site A	Sit	e B	Site C		conc. (ng/mL)	site	- 1 -	4	- +	- +
Benzoylecgonine	n per		Site A		Site B	Si	te C	conc. (ng/mL)	site	- +	-	+	- +		0	10	10 (0 1	10 0	10 0
conc. (ng/mL)	site		+		1 .		+	0		10 0	10	0	10 0		500	10	10 (10 0	10 0
0	10	10		10) 0	10	0	150		10 0	10	0	10 0		750	10		2	8 2	8 2
75	10	10		_		10	0	225		9 1	9	1	8 2		1,250	10	1 9		1 9	2 8
	_	_	_	_	_	_		375		1 9	1	9	1 9		*			_		
112.5	10	8		_		_	2	450		0 10	0	10	0 10		1,500	10	0 1	0	0 10	0 10
187.5	10	1	9	_		_	9	ME <u>THYLENEDIOXYMETHAMP</u>	<u>IL I AMI</u>	_ \				ı IK	AMADOL (TML)		0': 4		01. 0	0: 0
225	10	0	10	0	10	0	10	Methylenedioxymethamphetamine	n per	Site A	١ :	Site B	Site C		Tramadol conc. (ng/mL)	n per	Site A		Site B	Site C
COCAINE (COC 100)								conc. (ng/mL)	site		+ -	+	- +			site			- +	- +
Benzoylecgonine	n per	_	Site A		Site B	_	te C	0	10	10	0 10	0	10 0		0	10			10 0	10 0
conc. (ng/mL)	site	-	+	-	+	-	+	500	10	10	0 10	0	10 0		50	10		_	10 0	10 0
0	10	10	0	10	0	10	0	750	10	8	2 9	1	8 2		75	10	9 .	1 :	8 2	8 2
50	10	10	0	10	0	10	0	1,250	10	2	8 2	8	1 9		125	10	1 9	9	1 9	2 8
75	10	9	1	9	1	9	1	1,500	10	0	10 0	10	0 10		150	10	0 1	0	0 10	0 10
125	10	2	8	1	9	1	9	METHYLENEDIOXYMETHAMP	IETAMI					KE	TAMINE (KET1, 000)				_	
150	10	0	10	0	10	0	10	Methylenedioxymethamphetamine	n per	Site A		Site B	Site C		Votemine es = (/l)	n per	Site A		Site B	Site C
MARIJUANA (THC150)	•			•		•		conc. (ng/mL)	site	- 1	+ -	+	- +		Ketamine conc. (ng/mL)	site		+	- +	- +
11-nor-Δ ⁹ -COOH	n per		Site A		Site B	Si	te C	0	10	10	0 10) 0	10 0	1	0	10	10 (0 1	10 0	10 0
conc. (ng/mL)	site	-	+	_	_	-	+	250	10	10	0 10		10 0	1	500	10		_	10 0	10 0
0	10	10		_		10	0	375	10		2 9		9 1	1	750	10	9 .		8 2	9 1
75	10	10		_		_	0	625	10		8 1		1 9		1,250	10			1 9	2 8
112.5	10	9		_		_	1	750	10		10 0		0 10		1,500	10			0 10	0 10
187.5	10	1	9	_		1	9	MORPHINE (MOP 300)	10	U	10 0	10	0 10	KF	TAMINE (KET500)				<u> </u>	_ , , ,,
225	10	0		_			10	, , ,		Site A		Site B	Site C	1	` '	n per	Site A		Site B	Site C
MARIJUANA (THC50)	10		1 10		10		10	Morphine conc. (ng/mL)	n per site			-			Ketamine conc. (ng/mL)	site			- +	- +
			Site A		Site B	Ci-	te C	·				+	- +		0	10			10 0	10 0
11-nor-∆9-COOH conc. (ng/mL)	n per site		_	_		- OI	_	0	10	10			10 0		250	10				
		-	+	_		- 10	+	150	10	10		0	10 0						10 0	10 0
0	10	10		_	_		0	225	10	9	1 9	1	9 1		375	10	9 .	_	9 1	8 2
25	10	10		_	_	_	0	375	10	1 9		9	1 9		625	10		_	1 9	2 8
37.5	10	9	_	_	_	9	1	450	10	0 1	0 0	10	0 10		750	10	0 1	0	0 10	0 10
62.5	10	1	9		9	1	9	MORPHINE (MOP 100)						_ KE	TAMINE (KET300)					
75	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
MARIJUANA (THC25)								conc. (ng/mL)	site		-	+	- +			site			- +	- +
11-nor-Δ ⁹ -COOH	n per		Site A		Site B	Si	te C	0	10	10	10	0	10 0		0	10	10 (10 0	10 0
conc. (ng/mL)	site	-	+	-	+	-	+	50	10	10	10	0	10 0		150	10			10 0	10 0
0	10	10	0	10	0	10	0	75	10	9	9	1	9 1		225	10	9 .	1 !	9 1	9 1
12.5	10	10		_		_	0	125	10	1 9	9 2	8	1 9		375	10	1 9		1 9	2 8
18.75	10	8	2	8	2	9	1	150	10	0 1	0 0	10	0 10		450	10	0 1	0	0 10	0 10
31.25	10	1	9	1	9	2	8	METHAQUALONE (MQL 300)						OX	YCODONE (OXY)					
37.5	10	0	10	0	10	0	10	Methaqualone	n per	Site A	5	Site B	Site C		Oxycodone conc. (ng/mL)	n per	Site A		Site B	Site C
METHADONE (MTD300)								conc. (ng/mL)	site		-	+	- +		Oxycodone conc. (ng/ml.)	site		+	- +	- +
Methadone	n per		Site A		Site B	Si	te C	0	10	10) 10	0	10 0		0	10	10 (0 1	10 0	10 0
conc. (ng/mL)	site	-	+	-	+	-	+	150	10	10			10 0	1	50	10	10 (0 1	10 0	10 0
0	10	10	0	10	0	10	0	225	10	9	_	1	9 1	1	75	10	9		9 1	9 1
150	10	10	0	10) 0	10	0	375	10	1 !	_	8	1 9	1	125	10	1 9	9	1 9	2 8
225	10	8				9	1	450	10		0 0	10	0 10	1	150	10	0 1	0	0 10	0 10
375	10	1	9			1	9	MORPHINE/OPIATE (OPI 2,000		'	- 1 5	1.0	, v 1 10	cc	TININE (COT 200)		<u> </u>			
450	10	0		_	_	0	10	` '	n ror	Site A		Site B	Site C	1	,	n per	Site A		Site B	Site C
METHADONE (MTD200)						, ,		Morphine conc. (ng/mL)	n per site	- Sile A	_	+	- +		Cotinine conc. (ng/mL)	site	- I	+	- +	- 1 +
Methadone	n nor		Site A		Site B	Si	te C	00110. (11g/111L)	10	10 (10 0		0	10	10 (0 1	10 0	10 0
conc. (ng/mL)	n per site	-	+	_		-	+	1 000							100	10			10 0	10 0
n	10	10		_		10	0	1,000	10	10 (10	0	10 0		150	10	9	1	9 1	9 1
100		_	_	_	_	_	0	1,500	10		9	1	8 2		250	10	1 9	9	1 9	2 8
	10	10		_		_	_	2,500	10) 1		1 9		300				0 10	0 10
150	10	8					1	3,000	10	0 1	0 0	10	0 10			10	UII	U	0 10	0 10
250	10	1	9	_			9	PHENCYCLIDINE (PCP)						_	TININE (COT 100)	1	C: :		0: 5	0" 0
300	10 T1 000\	0	10	0	10	0	10	Phencyclidine	n per	Site A	5	Site B	Site C	1	Cotinine conc. (ng/mL)	n per	Site A		Site B	Site C
METHAMPHETAMINE (ME	, ,		0		0:: 5	1	. 0	conc. (ng/mL)	site		+ -	+	- +	1	, , ,	site			- +	- +
Methamphetamine	n per		Site A	_	Site B	Si	te C	0	10	10) 10	0	10 0	1	0	10			10 0	10 0
conc. (ng/mL)	site	-	+	_		-	+	12.5	10	10		_	10 0	1	50	10			10 0	10 0
0	10	10				_	0					_	_	1	75	10	9 .		9 1	9 1
500	10	10					0	18.75	10	8 :		1	8 2	1	125	10		•	1 9	2 8
750	10	9		_		_	1	31.25	10	1 !		9	2 8	1	150	10			0 10	0 10
1,250	10	1	9	1	9	1	9	37.5	10	0 1	0 0	10	0 10	2-E	THYLIDENE-1,5-DIMETHYL	-3,3-DIP	HENYLP'	YRRC	LIDINE (EDDP 300
1,500	10	0	10	0	10	0	10	PROPOXYPHENE (PPX)				•		-	EDDB core (na/ml.)	n per	Site A		Site B	Site C
METHAMPHETAMINE (ME	T 500)		•			•		Propoxyphene	n per	Site A	5	Site B	Site C	1	EDDP conc. (ng/mL)	site		+	- +	- +
Methamphetamine	n per	L	Site A		Site B	Si	te C	conc. (ng/mL)	site		+ -	+	- +	1	0	10	10	0	10 0	10 0
conc. (ng/mL)	site	-	+	-	+	-	+	0	10	10	_		10 0	1	150	10		0	10 0	
·								· · · · · · · · · · · · · · · · · · ·						•						

	225	10	8	2	9	1	9	1
	375	10	1	9	2	8	1	9
<u></u>	450	10	0	10	0	10	0	10
-ETHY	LIDENE-1,5-DIMETHY	<u>/L-3,3-DIPI</u>						
	EDDP conc. (ng/mL)	n per site	Site	e A +	Sit	e B +	Sit	e C +
	0	10	10	0	10	0	10	0
	50	10	10	0	10	0	10	0
	75	10	8	2	9	1	9	1
	125	10	1	9	1	9	1	9
	150	10	0	10	0	10	0	10
E <u>NTAI</u>	NYL (FYL20)							
	FYL conc. (ng/mL)	n per site	Site	e A +	Sit	e B +	Sit	e C +
	0	10	10	0	10	0	10	C
	10	10	10	0	10	0	10	0
	15	10	8	2	9	1	9	1
	25	10	1	9	1	9	2	8
CAITAI	30 NYL (FYL10)	10	0	10	0	10	0	1
= N I AI	NIL (FILIU)	2 22	Site	ο Δ	Sit	e B	Sit	e C
	FYL conc. (ng/mL)	n per site	-	+	-	+	-	+
	0	10	10	0	10	0	10	
	5	10	10	0	10	0	10	(
	7.5	10	8	2	9	1	9	
	12.5	10	1	9	1	9	2	8
	15	10	0	10	0	10	0	1
2-50								
	Synthetic Marijuana Concentration (ng/mL)	n per Site	Sit	e A +	Sit	e B +	Sit	e C +
	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	2	8
	75	10	0	10	0	10	0	10
2 <u>-30</u>								
	Synthetic Marijuana Concentration (ng/mL)	n per Site	Sit	e A +	Sit	e B +	Sit	e C +
	0	10	10	0	10	0	10	0
	15	10	10	0	10	0	10	0
	22.5	10	9	1	9	1	9	1
	37.5	10	1	9	1	9	2	8
	45	10	0	10	0	10	0	10
MAM								
	6-MAM Concentration (ng/mL)	n per Site	Sit	e A +	Sit	e B +	Sit	e C +
	0	10	10	0	10	0	10	0
	5	10	10	0	10	0	10	0
	7.5	10	7	3	7	3	8	2
	12.5	10	1	9	1	9	2	8
				10	0			

The

resuits are sur	1111116	IIIZE	่น ม	CIUV	٧.													
Drug Concentration	AN 1,0	/IP 100		MP 00		ИР 00	B/ 30		BA 20		B2 50		B2		B2 20	ZO 00	B2	ZO 00
Cut-off Range		+	-	+		+		+		+		+		+	-	+	- 1	+
0% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	27	3	26	4	27	3	27	3	27	3	26	4	27	3	27	3	27	3
Cut-off	14	16	15	15	15	15	16	14	15	15	15	15	15	15	14	16	14	16
+25% Cut-off	3	27	3	27	4	26	4	26	3	27	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	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
Drug Concentration	n	BUF	Š	COC	300	COC	150	CO	C100	TH	IC15	0 T	HC5	0	THC	25	MTD	300

-25% Cut-off 26 4 26 4 27 3 27 3 27 3 26 4 27 3 27 3

30 0 30 0 30 0 30 0 30 0 30 0 30 0 30 0 30 0

Cut-off Range 0% Cut-off

Cut-off	14	16	15	15	15	15	16	14	15	15	14	16	16	14	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
,	A 4T		MACT		MET		ACT		1011		1401	4.0	140	0	140	0

Drug Concentration	M7 20		ME 1,0	T 00	MI 50		ME 30		MD 1,0	MA 000	MD 50	MA 00		OP 00	M0 20	
Cut-off Range	-	+	ı	+	-	+	·	+	٠	+	ı	+	ı	+	ı	+
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	25	5	27	3	26	4	25	5	26	4	27	3
Cut-off	15	15	14	16	15	15	16	14	15	15	14	16	15	15	16	14
+25% Cut-off	3	27	3	27	4	26	3	27	5	25	4	26	3	27	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration	0	PI	PC	CP	PF	PΧ	TO	CA	TN	ΛL	1,0	ET 000	KE 50			ET 00
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	26	4	27	3	25	5	27	3	26	4	27	3	26	4
Cut-off	15	15	14	16	14	16	15	15	14	16	16	14	15	15	14	16
+25% Cut-off	4	26	3	27	4	26	3	27	4	26	4	26	3	27	4	26
+50% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30

Drug Concentration	М	QL	ô	ΧY	Ö	Γ200	O 1	OT OO	ED 30		ED 10	DP 00	F\ 2		F` 1	YL 0
Cut-off Range	-	+	ı	+	١	+	ı	+	ı	+	-	+	-	+	•	+
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	27	3	27	3	27	3
Cut-off	15	15	16	14	15	15	15	15	14	16	14	16	15	15	15	15
+25% Cut-off	3	27	4	26	4	26	4	26	4	26	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	-50	K2	-30	6-M	AM 0
Cut-off Range	-	+	-	+		+
0% Cut-off	30	0	30	0	30	0
-50% Cut-off	30	0	30	0	30	0
-25% Cut-off	27	3	27	3	27	3
Cut-off	15	15	15	15	14	16
+25% Cut-off	3	27	3	27	4	26
+50% Cut-off	0	30	0	30	0	30
+300% Cut-off	0	30	0	30	0	30

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 Panel at 5 minutes.

Analytes	Concentrat (ng/mL)	ion Analytes	Concentration (ng/mL)
	AMPHET!	MINE (AMP 1,000)	
D,L-Amphetamine sulfate	200	Phentermine	800
L-Amphetamine	25,000	Maprotiline	50,000
(±) 3,4-Methylenedioxy	400	Methoxyphenamine	6,000
amphetamine	400	D-Amphetamine	1,000
	AMPHET	AMINE (AMP 500)	
D,L-Amphetamine sulfate	100	Phentermine	400
L-Amphetamine	12,500	Maprotiline	25,000
(±) 3,4-Methylenedioxy	200	Methoxyphenamine	3,000
amphetamine	200	D-Amphetamine	500
	AMPHET	AMINE (AMP 300)	
D,L-Amphetamine sulfate	70	Phentermine	300
L-Amphetamine	10,000	Maprotiline	12,500
(±) 3,4-Methylenedioxy	150	Methoxyphenamine	2,000
amphetamine	150	D-Amphetamine	300
	BARBITU	RATES (BAR 300)	
Amobarbital	3,000	Alphenol	300
5,5-Diphenylhydantoin	6,000	Aprobarbital	450
Allobarbital	450	Butabarbital	150
Barbital	6,000	Butalbital	6,000
Talbutal	30	Butethal	450

Cualanantaharhital	25,000	Dhanahashital	hon
Cyclopentobarbital Pentobarbital	6,000	Phenobarbital Secobarbital	300 300
			500
		TES (BAR 200)	
Amobarbital	2,000	Alphenol	200
5,5-Diphenylhydantoin	4,000	Aprobarbital	300
Allobarbital	300	Butabarbital	100
Barbital	4,000	Butalbital	4,000
Talbutal	20	Butethal	300
Cyclopentobarbital	17,000	Phenobarbital	200
Pentobarbital	4,000	Secobarbital	200
BI	ENZODIAZE	PINES (BZO 500)	
Alprazolam	200	Bromazepam	1,300
a-hydroxyalprazolam Clobazam	2,500	Chlordiazepoxide	1,300
Clobazam	300	Nitrazepam	300
Clonazepam	650	Norchlordiazepoxide	200
Clorazepate dipotassium	650	Nordiazepam	1,300
Delorazepam	1,300	Oxazepam	500
Desalkylflurazepam	300	Temazepam	200
Flunitrazepam	300	Diazepam	2,500
(±) Lorazepam	5,000	Estazolam	10,500
RS-Lorazepam glucuronide	300	Triazolam	5,000
Midazolam	10,500		
В	ENZODIAZE	PINES (BZO 300)	
Alprazolam	100	Bromazepam	780
a-hydroxyalprazolam	1,500	Chlordiazepoxide	780
Clobazam	200	Nitrazepam	200
Clonazepam	390	Norchlordiazepoxide	100
Clorazepate dipotassium	390	Nordiazepam	780
Delorazepam	780	Oxazepam	300
Desalkylflurazepam	200	Temazepam	100
Flunitrazepam	200	Diazepam	1,500
(±) Lorazepam	3,100	Estazolam	6,250
RS-Lorazepam glucuronide	200	Triazolam	3.100
Midazolam	6,250	mazoiam	0,100
		PINES (BZO 200)	l .
Alprazolam	70	Bromazepam	520
a-hydroxyalprazolam	1,000	Chlordiazepoxide	520 520
Clobazam	120	Nitrazepam	120
Clonazepam	260	Norchlordiazepoxide	70
Clorazepate dipotassium	260	Nordiazepam	520
Delorazepam	520	Oxazepam	200
Desalkylflurazepam	120	Temazepam	70
Flunitrazepam	120	Diazepam	1,000
(±) Lorazepam	2,000	Estazolam	4,200
RS-Lorazepam glucuronide	120	Triazolam	2,000
Midazolam	4,200	macolam	_,000
		PINES (BZO 100)	I.
Alprazolam	40	Bromazepam	260
a-hydroxyalprazolam	500	Chlordiazepoxide	260
Clobazam	60	Nitrazepam	60
Clonazepam	130	Norchlordiazepoxide	40
Clorazepate dipotassium	130	Nordiazepam	260
Delorazepam	260	Oxazepam	100
Desalkylflurazepam	60	Temazepam	40
Flunitrazepam	60	Diazepam	500
(±) Lorazepam	1,000	Estazolam	2,100
RS-Lorazepam glucuronide	60	Triazolam	1,000
Midazolam	2,100		.,500
		RPHINE (BUP)	
Buprenorphine	10	Norbuprenorphine	50
Buprenorphine 3-D-Glucuronide	50	Norbuprenorphine 3-D-Glucuronide	
Daprenorphine 3-D-Glucuroffide			1.00
		E (COC 300)	40.500
Benzoylecgonine	300	Cocaethylene	12,500
Cocaine HCI	200	Ecgonine	30,000
		E (COC 150)	
Benzoylecgonine	150	Cocaethylene	6,250
Cocaine HCI	100	Ecgonine	15,000
		E (COC 100)	
Benzoylecgonine	100	Cocaethylene	5, 000
Cocaine HCI	80	Ecgonine	10,000
Occaine Hoi		NA (THC150)	10,000
0 1: 1			45.000
Cannabinol	50,000	△8-THC	45,000
11-nor-△8-THC-9 COOH	90	△9-THC	45,000
11-nor-△9-THC-9 COOH	150	LA (TUOSO)	l
	1	NA (THC50)	
Cannabinol	20,000	△8-THC	15,000
11-nor-△8-THC-9 COOH	30	△9-THC	15,000
11-nor-△9-THC-9 COOH	50		
	MARIJU	NA (THC25)	
Cannabinol	10,000	△8-THC	7,500
		△9-THC	7,500
11-nor-△8-THC-9 COOH	15	△3-1110	7,500

11-nor-△9-THC-9 COOH	25		
11 1101 20 1110 0 00011		ONE (MTD300)	l.
Methadone	300	Doxylamine	100,000
		ONE (MTD200)	
Methadone	200	Doxylamine	60,000
	25,000	(±)-3.4-Methylenedioxy-	k 050
p-Hydroxymethamphetamine D-Methamphetamine	1,000	methamphetamine	6,250
L-Methamphetamine	12,500	Mephentermine	50,000
M	ETHAMPHE	TAMINE (MET500)	
p-Hydroxymethamphetamine	12,500	(±)-3,4-Methylenedioxy-	3,000
D-Methamphetamine L-Methamphetamine	500 9,000	methamphetamine Mephentermine	25,000
		TAMINE (MET300)	20,000
-Hydroxymethamphetamine	7,500	(±)-3,4-Methylenedioxy-	1,800
D-Methamphetamine	300	methamphetamine	
-Methamphetamine	3,750	Mephentermine	15,000
METHYLENEDIOX	YMETHAMI	PHETAMINE (MDMA1, 000) I	
(±) 3,4-Methylenedioxy	1,000	3,4-Methylenedioxyethyl-amphetam	600
methamphetamine HCI	,,,,,	ine	
(±) 3,4-Methylenedioxyamphetamin	e6.000		
HCI			
	XYMETHAN	IPHETAMINE (MDMA500) E	estasy
(±) 3,4-Methylenedioxy methamphetamine HCl	500	3,4-Methylenedioxyethyl-amphetam	300
(±)	İ		
3,4-Methylenedioxyamphetamin	e3,000		
HCI	MORDUI	NE (MOP 300)	I
Codeine	200	Norcodeine	6,000
_evorphanol	1,500	Normorphone	50,000
Morphine-3-β-D-Glucuronide	800	Oxycodone	30,000
Ethylmorphine	6,000	Oxymorphone Procaine	50,000 15,000
Hydrocodone Hydromorphone	50,000 3,000	Thebaine	6,000
6-Monoacetylmorphine	400	Morphine	300
	MORPHI	NE (MOP 100)	
Codeine	80	Norcodeine	2,000
Levorphanol	500	Normorphone	20,000
Morphine-3-β-D-Glucuronide Ethylmorphine	300 2,000	Oxycodone Oxymorphone	10,000 20,000
Hydrocodone	20,000	Procaine	5,000
Hydromorphone	1,000	Thebaine	2,000
6-Monoacetylmorphine	100	Morphine	100
	BOO	LONE (MQL 300)	ı
Methaqualone IV		PIATE (OPI 2,000)	
Codeine	2,000	Morphine	2,000
Ethylmorphine	3,000	Norcodeine	25,000
Hydrocodone	50,000	Normorphone	50,000 25,000
Hydromorphone Levorphanol	12,500 25,000	Oxycodone Oxymorphone	25,000 25,000
6-Monoacetylmorphine	3,000	Procaine	50,000
Morphine 3-β-D-glucuronide	2,000	Thebaine	25,000
		CLIDINE (PCP)	
Phencyclidine	25 BBOBOY	4-Hydroxyphencyclidine	6,250
D Dranavimhana		YPHENE (PPX)	boo
D-Propoxyphene TRIC	300 YCLIC ANTI	D-Norpropoxyphene DEPRESSANTS (TCA)	300
Nortriptyline	1,000	Imipramine	400
Vordoxepine	400	Clomipramine	50,000
Trimipramine	3,000	Doxepine	1,500
Amitriptyline	1,500	Maprotiline Promothazino	1,500
Promazine Desipramine	3,000 200	Promethazine Perphenazine	25,000 25,000
Cyclobenzaprine	1,500		
•	TRAM	ADOL (TML)	
n-Desmethyl-cis-tramadol	200	o-Desmethyl-cis-tramadol	7,000
Cis-tramadol Procyclidine	100	Phencyclidine d,I-O-Desmethyl venlafaxine	100,000 50,000
rooyollaine		NE (KET1, 000)	00,000
Ketamine	1,000	Benzphetamine	25,000
Dextromethorphan	1,500	(+) Chlorpheniramine	25,000
Methoxyphenamine	12,500	Clonidine	100,000
d-Norpropoxyphene	12,500	EDDP	50,000
Promazine Promethazine	25,000 25,000	4-Hydroxyphencyclidine Levorphanol	50,000 50,000
	25,000	MDE	50,000
Pentazocine Phencyclidine	25,000	IVIDE	00,000

Tetrahydrozoline	400	d-Methamphetamine	25,000
Mephentermine	25,000	I-Methamphetamine	50,000
(1R, 2S) - (-)-Ephedrine	100,000	 3,4-Methylendioxymethamphetamin e (MDMA) 	100,000
Disopyramide	12,500	Thioridazine	50,000
/atamina		MINE (KET500)	10.500
Ketamine Dextromethorphan	500 750	Benzphetamine (+) Chlorpheniramine	12,500 12,500
Methoxyphenamine	6,250	Clonidine	50.000
d-Norpropoxyphene	6,250	EDDP	25,000
Promazine	12,500	4-Hydroxyphencyclidine	25,000
Promethazine	12,500	Levorphanol	25,000
Pentazocine	12,500	MDE	25,000
Phencyclidine Fatrabudra zalina	6,250	Meperidine	12,500 12,500
Tetrahydrozoline Mephentermine	200 12.500	d-Methamphetamine I-Methamphetamine	25,000
(1R, 2S) - (-)-Ephedrine	50,000	3,4-Methylendioxymethamphetamin e (MDMA)	
Disopyramide	6,250	Thioridazine	25,000
		MINE (KET300)	
Ketamine	300		8,000
Dextromethorphan Mothovyphonomino	500 4,000	(+) Chlorpheniramine Clonidine	8,000 30,000
Methoxyphenamine d-Norpropoxyphene	4,000	EDDP	16,000
Promazine	8,000	4-Hydroxyphencyclidine	16,000
Promethazine	8,000	Levorphanol	16,000
Pentazocine	8,000	MDE	16,000
Phencyclidine	4,000	Meperidine	8,000
Tetrahydrozoline	150	d-Methamphetamine	8,000
Mephentermine	8,000	I-Methamphetamine	16,000
(1R, 2S) - (-)-Ephedrine	30,000	3,4-Methylendioxymethamphetamin e (MDMA)	
Disopyramide	4,000		16,000
Durandana	100	CODONE (OXY)	50,000
Oxycodone	200	Hydromorphone	50,000 25,000
Oxymorphone Levorphanol	50,000	Naloxone Naltrexone	25,000 25,000
Hydrocodone	6,250	TAGITI CXOTIC	20,000
.,,		IINE (COT 200)	
(-)-Cotinine	200	I(-)-Nicotine	B 000
(-)-Cotinine	200 COTIN		3,000
		NINE (COT 100)	1,500
(-)-Cotinine	COTIN 100	INE (COT 100) (-)-Nicotine	1,500
(-)-Cotinine 2-Ethylidene-1	COTIN 100 ,5-dimethyl-	VINE (COT 100) [(-)-Nicotine -3,3-diphenylpyrrolidine (EDD	1,500
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3	100 5-dimethyl-	IINE (COT 100) (-)-Nicotine 3,3-diphenylpyrrolidine (EDD) dine (EDDP)	1,500 P300) 300
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1	COTIN 100 ,5-dimethyl - 3-diphenylpyrrolic ,5-dimethyl -	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD	1,500 P300) 300
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1	COTIN 100 ,5-dimethyl- 3-diphenylpyrrolid ,5-dimethyl- 3-diphenylpyrrolid	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD	1,500 P300) 300 P100)
(-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3	COTIN [100 ,5-dimethyl- 3-diphenylpyrrolic ,5-dimethyl- 3-diphenylpyrrolic FENT [600,000	IINE (COT 100) [(·)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP)	1,500 P300) 300 P100)
(-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine	COTIN [100 ,5-dimethyl- 3-diphenylpyrrolid ,5-dimethyl- 3-diphenylpyrrolid FENT 600,000 40,000	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl	1,500 P300) 300 P100) 100 15,000 100
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine	COTIN [100 ,5-dimethyl- 3-diphenylpyrrolic ,5-dimethyldiphenylpyrrolic FENT 600,000 40,000 20	IINE (COT 100) [(·)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl	1,500 P300) 300 P100) 100
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl	COTIN 100 ,5-dimethyl- -diphenylpyrrolic -diphenylpyrrolic FENT	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10)	1,500 P300) 300 P100) 100 15,000 100 60,000
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl	COTIN 100 ,5-dimethyldiphenylpyrrolic ,5-dimethyldiphenylpyrrolic FENT 600,000 40,000 20 FENT 800,000	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Alfentanyl Alfentanyl Fenfluramine Norfentanyl	COTIN 100 5-dimethyl-diphenylpyrrolid 5-diphenylpyrrolid 5-diphenylpyrrolid 5-diphenylpyrrolid 500,000 40,000 20 FENT 300,000 20,000 20,000	IINE (COT 100) [(·)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Fantanyl Fantanyl Fantanyl Fantanyl	[1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 50
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Fenfluramine Norfentanyl	COTIN 100	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Fenfluramine Norfentanyl Norfentanyl	COTIN 100 ,5-dimethyldiphenylpyrolic ,5-dimethyldiphenylpyrolic FENT 600,000 40,000 20 FENT 300,000 20,000 10 SYNTHETIC	IINE (COT 100) [(·)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Fantanyl Fantanyl Fantanyl Fantanyl	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 50 30,000
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl Solution	COTIN 100 .5-dimethyl-3-diphenylpyrrolis .5-dimethyl-3-diphenylpyrrolis FENT 600,000 20 FENT 800,000 20,000 10 SYNTHETIC letabolite	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl	[1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 50 30,000
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Fenfluramine Norfentanyl Senfluramine Norfentanyl Senfluramine Norfentanyl Senfluramine Norfentanyl	COTIN 100	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 50 30,000
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Fenfluramine Norfentanyl WH-018 5-Pentanoic acid m JWH-018 4-Hydroxypentyl m JWH-018 4-Hydroxypentyl m	COTIN 100 5-dimethyldiphenylpyrolic 5-dimethyldiphenylpyrolic 5-dimethyldiphenylpyrolic FENT 600,000 40,000 20 60 10 10 10 10 10 10 1	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl	1,500 P300) 300 P100) 1100 15,000 100 60,000 8,000 50 30,000 60 50 400
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Fenfluramine Norfentanyl Sorfentanyl Sorfenta	COTIN 100 ,5-dimethyl-diphenylpyrrolic, ,5-dimethyl-diphenylpyrrolic, ,5-dimethyl-diphenylpyrrolic,	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 50 30,000
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl JWH-018 5-Pentanoic acid me JWH-073 4-butanoic acid me JWH-018 5-Hydroxypentyl m JWH-073 4-Hydroxypentyl m	COTIN 100	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl Sufentanyl MARIJUANA (K2-50)	1,500 P300) 300 P100) 100 15,000 100 60,000 60 60 60 60 60 60 60 600
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl JWH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl m JWH-018 5-Hydroxypentyl m JWH-073 4-Hydroxypentyl m	COTIN 100 ,5-dimethyldiphenylpyrolic ,5-dimethyldiphenylpyrolic ,5-dimethyldiphenylpyrolic FENT 600,000 40,000 20,000 10 SYNTHETIC etabolite	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50)	1,500 P300) 300 P100) 100 15,000 100 60,000 60 60 60 60 60 60 60 600
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl -enfluramine Norfentanyl Alfentanyl -enfluramine Norfentanyl -enfluramine -enflu	COTIN 100 5-dimethyldiphenylpyrrolic, 5-dimethyldiphenylpyrrolic FENT 600,000 40,000 20,000 10 SYNTHETIC letabolite etabolite etabolite etabolite tetabolite tetabolite tetabolite tetabolite tetabolite	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50)	1,500 P300) 300 P100) 1100 15,000 100 60,000 8,000 60,000 60 60 60 60 60 60 60 60 60 60 60 60
-)-Cotinine 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl -enfluramine Norfentanyl WH-018 5-Pentanoic acid me WH-018 4-Hydroxypentyl mi WH-073 4-butanoic acid me WH-018 5-Pentanoic acid me WH-018 4-Hydroxypentyl mi WH-018 5-Pentanoic acid me WH-018 4-Hydroxypentyl mi WH-018 4-Pydroxypentyl me WH-018 4-Hydroxypentyl me WH-018 4-Hydroxypentyl me WH-018 4-Hydroxypentyl me	COTIN 100 5-dimethyldiphenylpyrolic, 5-dimethyldiphenylpyrolic, 5-dimethyldiphenylpyrolic FENT 600,000 40,000 20,000 10 SYNTHETIC etabolite tabolite tabolit	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50)	1,500 P300) 300 P100) 1100 15,000 100 60,000 8,000 60,000 60 60 60 60 60 60 60 60 60 60 60 60
-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl	COTIN 100 ,5-dimethyl-diphenylpyrrolic ,5-dimethyl-diphe	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50)	1,500 P300) 300 P100) 100 15,000 100 60,000 60 50 400 600 300 30 30 30 30 360
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Fenfluramine Norfentanyl Senfluramine Norfentanyl Fenfluramine NH-018 5-Pentanoic acid me NH-018 5-Pentanoic acid me NH-073 4-butanoic acid me NH-073 4-butanoic acid me NH-073 4-butanoic acid me NH-018 5-Hydroxypentyl m NH-018 5-Hydroxypentyl m NH-018 5-Hydroxypentyl m NH-018 5-Hydroxypentyl m	COTIN 100	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl FANYL (FYL10) Buspirone Fentanyl Sufentanyl MARIJUANA (K2-50)	1,500 P300) 300 P100) 1100 15,000 100 60,000 8,000 60,000 60 60 60 60 60 60 60 60 60 60 60 60
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl JWH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl mi JWH-018 5-Pentanoic acid me	COTIN 100 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-dip	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50) MARIJUANA (K2-50)	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 50 30,000 50 400 600 30 30 30 30 30 30 32 250 360 200
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,2 2-Ethylidene-1,5-dimethyl-3,2 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl	COTIN 100 5-dimethyl-diphenylpyrolic, 5-dimethyl-diphe	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl MARIJUANA (K2-50) MARIJUANA (K2-30) YL-MORPHINE (6-MAM) Morphine	1,500 P300) 300 P100) 100 15,000 100 60,000 60 50 400 600 300 30 30 30 30 30 30 30 30 30 30 30
2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl MH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl mi JWH-073 4-butanoic acid me JWH-073 4-butanoic acid me JWH-073 4-butanoic acid me JWH-018 5-Pentanoic acid me JWH-073 4-butanoic acid me	COTIN 100	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl FANYL (FYL10) Buspirone Fentanyl Sufentanyl MARIJUANA (K2-50) MARIJUANA (K2-50)	1,500 P300) 300 P100) 1100 115,000 1100 60,000 8,000 60,000 60,000 60,000 8,000 60,000
(-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl JWH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl mi JWH-018 5-Hydroxypentyl mi JWH-018 5-Pentanoic acid me JWH-018 5-Pentanoic acid me JWH-018 5-Pentanoic acid me JWH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl mi JWH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl mi JWH-018 5-Pentanoic acid me JWH-018 4-Hydroxypentyl mi JWH-018 5-Hydroxypentyl mi JWH-018 5-Hydroxypentyl mi JWH-018 6-Nocodeine Ethylmorphine Hydrocodone	COTIN 100 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-diphenylpyrrolic 5-	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50) MARIJUANA (K2-50)	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 60,000 60 30,000 60 30 30 30 30 30 30 30 250 360 200
(-)-Cotinine 2-Ethylidene-1 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl JWH-018 5-Pentanoic acid me JWH-073 4-butanoic acid me JWH-018 4-Hydroxypentyl mi JWH-018 5-Pentanoic acid me JWH-018 5-Pentanoic acid me JWH-018 5-Pentanoic acid me JWH-018 5-Pentanoic acid me JWH-018 5-Hydroxypentyl mi JWH-018 5-Hydroxypentyl mi JWH-03 4-butanoic acid me JWH-018 4-Hydroxypentyl mi JWH-03 4-Hydroxypentyl mi JWH-03 4-Hydroxypentyl mi JWH-073 4-Hydroxypentyl me G-N Codeine Ethylmorphine Hydroxypenone	COTIN 100 5-dimethyl- -diphenylpyrrolic 5-dimethyl- -diphenylpyrrolic 5-dimethyl- -diphenylpyrrolic 600,000 40,000 20 800,000 10 90,000 10 10 SYNTHETIC tabolite	IINE (COT 100) [()-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) ANYL (FYL20) Buspirone Fentanyl Sufentanyl Sufentanyl Sufentanyl MARIJUANA (K2-50) MARIJUANA (K2-50) YL-MORPHINE (6-MAM) Morphine Norcodeine Normorphone Oxycodone	1,500 P300) 300 P100) 100 15,000 100 60,000 50 30,000 60 30 30 30 30 250 30 30 10 200 200 2,000 1,000
2-Ethylidene-1,5-dimethyl-3,3 2-Ethylidene-1 2-Ethylidene-1,5-dimethyl-3,3 Alfentanyl Fenfluramine Norfentanyl Alfentanyl Fenfluramine Norfentanyl JWH-018 5-Pentanoic acid m JWH-073 4-butanoic acid m JWH-073 4-bydroxypentyl m	COTIN 100 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-dimethyl-s-diphenylpyrrolic 5-diphenylpyrrolic 5-	IINE (COT 100) [(:)-Nicotine 3,3-diphenylpyrrolidine (EDD dine (EDDP) 3,3-diphenylpyrrolidine (EDD dine (EDDP) 'ANYL (FYL20) Buspirone Fentanyl Sufentanyl ANYL (FYL10) Buspirone Fentanyl MARIJUANA (K2-50) MARIJUANA (K2-50)	1,500 P300) 300 P100) 100 15,000 100 60,000 8,000 60 30,000 60 30 30 30 30 30 30 30 250 360 200

Effect of Urinary Specific Gravity
Fifteen (15) urine samples of normal, high, and low specific gravity ranges (1.000-1.037) were spiked with drugs at 50% below and 50% above cut-off levels respectively. The 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, Methaqualone, Opiate, Tramadol , Ketamine, Oxycodone, Cotinine, Desputable of the containing of the cotinine of the containing of the cotinine of the coti Phencyclidine, Propoxyphene, Tricyclic 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine, Fentanyl, Synthetic Marijuana or 6-mono-acetyl-morphine. 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

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Acetophenetidin	Cortisone	Prednisone	d-Pseudoephedrine
N-Acetylprocainamid	Creatinine	Ketoprofen	Quinidine
Acetylsalicylic acid	Deoxycorticosterone	Labetalol	Quinine
Aminopyrine	d,l-Isoproterenol	Loperamide	Salicylic acid
Amoxicillin	Diclofenac	Meprobamate	Serotonin
Ampicillin	Diflunisal	Verapamil	Sulfamethazine
I-Ascorbic acid	Digoxin	Methylphenidate	Sulindac
Apomorphine	Diphenhydramine	Nalidixic acid	Tetracycline
Aspartame	Ethyl-p-aminobenzoa	Naproxen	Tetrahydrocortisone
Atropine	β-Estradiol	Niacinamide	3-acetate
Benzilic acid	Estrone-3-sulfate	Nifedipine	Tetrahydrocortisone
Benzoic acid	Erythromycin	Norethindrone	Isoxsuprine
Bilirubin	Fenoprofen	Noscapine	Thiamine
d,I-Brompheniramine	Furosemide	d,I-Octopamine	d,I-Propanolol
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	Zomepirac	d,I-Tryptophan
Chlorpromazine	3-Hydroxytyramine	Phenelzine	Uric acid
Cholesterol			

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