

Multi-Drug Rapid Test Cup with Indicator and ALC Strip (Oral Fluid)

A rapid test for the simultaneous, qualitative detection of multiple drugs or drug metabolites in human oral fluid. For in vitro diagnostic use by healthcare professionals including professionals a int of care sites. Also applicable for workplace safety and law enforcement us

The Multi-Drug Rapid Test Cup for

AMP/BAR/BUP/BZO/COC/COT/FYL/KET/MDMA/MET/MTD/OPI/

OXY/PCP/PPX/SMA/SMP/THC/TML/ZOP/6-MAM/ALC is a lateral flow chromatographic mmunoassay for the qualitative detection of multiple drugs or metabolites in oral fluid at the

Test	Calibrator	Cut-off (ng/mL
Amphetamine (AMP)	d-Amphetamine	25
Amphetamine (AMP)	d-Amphetamine	50
Barbiturates(BAR)	Secobarbital	50
Buprenorphine (BUP)	Buprenorphine	5
Buprenorphine (BUP)	Buprenorphine	10
Benzodiazepines(BZO)	Oxazepam	10
Benzodiazepines(BZO)	Oxazepam	20
Benzodiazepines(BZO)	Oxazepam	30
Cocaine (COC)	Cocaine	15
Cocaine (COC)	Cocaine	20
Cocaine (COC)	Cocaine	50
Cotinine(COT)	Cotinine	30
Cotinine(COT)	Cotinine	50
Fentanyl(FYL)	Fentanyl	10
Ketamine(KET)	Ketamine	30
Ketamine(KET)	Ketamine	50
Methylenedioxymethamphetamine (MDMA)	d,l-Methylenedioxymethamphetamine	50
Methamphetamine (MET)	d-Methamphetamine	25
Methamphetamine (MET)	d-Methamphetamine	50
Methadone (MTD)	Methadone	30
Opiates (OPI)	Morphine	30
Opiates (OPI)	Morphine	40
Opiates (OPI)	Morphine	50
Oxycodone (OXY)	Oxycodone	20
Phencyclidine (PCP)	Phencyclidine	3
Phencyclidine (PCP)	Phencyclidine	10
Propoxyphene (PPX)	d-Propoxyphene	30
Propoxyphene (PPX)	d-Propoxyphene	50
Synthetic Marijuana(SMA/K2)	JWH-018 5-Pentanoic acid metabolite	25
Synthetic Marijuana(SMA/K2)	JWH-018 5-Pentanoic acid metabolite	30
Synthetic Marijuana K2+(AB- Pinaca)(SMP)	AB-PINACA pentanoic acid metabolite	10
Marijuana (THC15)	Δ9-THC	15
Marijuana (THC40)	Δ9-THC	40
Marijuana (THC50)	Δ9-THC	50
Tramadol(TML)	Cis-Tramadol	30
Tramadol(TML)	Cis-Tramadol	50
Zopiclone(ZOP)	Zopiclone	20
6-Monoacetylmorphine(6-MAM)	6-Monoacetylmorphine	3
6-Monoacetylmorphine(6-MAM)	6-Monoacetylmorphine	5
6-Monoacetylmorphine(6-MAM)	6-Monoacetylmorphine	10
Alcohol(ALC)		0.02%(20mg/dl

This assay provides only a preliminary analytical test result. A more specific alternate chemical method should be used to confirm a preliminary positive analytical result. Gas chromatography/mass spectrometry (GC/MS), gas chromatography/landem mass spectrometry (GC/MS/MS), liquid chromatography/mass spectrometry (LC/MS) or liquid (GC/MS/MS), liquid chromatography/mass spectrometry (LC/MS) or liquid chromatography/tandem mass spectrometry (LC/MS/MS) are the preferred confirmatory methods. Professional judgment should be applied to any drug of abuse screen test result, particularly

The Multi-Drug Rapid Test
AMP/BAR/BUP/BZO/COC/COT/FYL/KET/MDMA/MET/MTD/OPI/

OXY/PCP/PPX/SMA/SMP/THC/TML/ZOP/6-MAM/ALC or their metabolites is a rapid, oral fluid screening test that can be performed without the use of an instrument. The test utilize monoclonal antibodies to selectively detect elevated levels of specific drugs in human oral fluid. Amphetamine (AMP25)

Amphetamine (Alin 25)

Amphetamine is a sympathomimetic amine with therapeutic indications, especially for use in treating Attention Deficit Disorders. The drug is often self-administered by nasal inhalation or oral ingestion. Depending on the route of administration, amphetamine can be detected in oral fluid as early as 5-10 minutes following use and for as long as 72 hours after use. ¹

The AMP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

amphetamine concentration in oral fluid exceeds 25ng/mL. Amphetamine (AMP50)

Amphetamine is a sympathomimetic amine with therapeutic indications, especially for use in Amphetamine is a sympathominetic amine with inerapeutic indications, especially for use in treating Attention Deficit Disorders. The drug is often self-administered by nasal inhalation or oral ingestion. Depending on the route of administration, amphetamine can be detected in oral fluid as early as 5-10 minutes following use and for as long as 72 hours after use. ¹

The AMP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the amphetamine concentration in oral fluid exceeds 50ng/mL.

Barbiturates(BAR50)

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 tootlerance and physical dependence. Short acting Barbiturates taken at 400 mg/day for 2-3 inouther ance and prisect dependence. Sind adding Barotituries saken at 400 ingludy in 2-3 months produce a clinically significant degree of physical dependence. A study of a single oral dose of one barbiturate: butalbital, phenobarbital or secobarbital showed the drug is detectable in oral fluid with 15-60 minutes of dosing and remained detectable in oral fluid for 52 hours.

The BAR assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

Secobarbital concentration in saliva exceeds50ng/ml Runrenorphine(RHP5)

Buprenorphine (Bur>)

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 HCl alone or in combination with Naloxone HCl. Therapeutically, Buprenorphine is used as a substitution treatment for opioid addicts. Substitution treatment is a form of medica 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.

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. intranasal and inhalation routes.

The BUP assay contained within The Multi-Drug Rapid Test Cup yields a positive result wher

Buprenorphine in saliva exceeds5 ng/mL.

Buprenorphine(BUP10)

Bupreporphine is a potent analgesic often used in the treatment of opioid addiction. The drug is soldunder the trade names Subutex." Buprenex.", Temgesic.". and Suboxone." which contain Buprenorphine HCl alone or in combination with Naloxone HCl. 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

to the original register to the original to th theft, doctor shopping and fraudulent prescriptions, and been abused via intravenous, sublingual intranasal and inhalation routes.

ıntranasaı and เทาผลเบอกาบบเคร. The BUP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when

renorphine in saliva exceeds 10 ng/mL zodiazepines (BZO10)

Benzodiazepines (B2010)
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 Benzodiazenines have replaced Barbiturates in the treatment of both anxiety and enective, benzodiazepines have replaced bandurates in the treatment of both arrively and insomnia. Benzodiazepines are also used as sedatives before some surgical and medica 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, and loss of appetite, sweating, trembling, weakness, anxiety and changes in perception.
The BZO assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

n in saliva exceeds 10ng/mL.

Benzodiazepines (BZO20)

Benzodiazepines (B2020)

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 medica procedures, and for the treatment of seizure disorders and alcohol withdrawal. Risk of physical dependence increases if Benzodiazenines are taken regularly (e.g. daily) for more than a fey dependence increases in beruzouzepines are taken regularly (e.g.,daily) for more than a rew months, especially at higher than normal doses. Stopping abruptly can bring on such symptoms as trouble sleeping, gastrointestinal upset, feeling unwell, and loss of appetite, sweating, trembling, weakness, anxiety and changes in perception.

The BZO assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

Oxazepam concentration in saliva exceeds 20ng/mL.

Benzodiazenines (BZO30)

Benzodiazepines (a2030)
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 Benzodiazenines are also used as sedatives before some surgical and medica insommia. Derizobiazepinies 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, and loss of appetite, sweating,

as include sreeping, gastionized and pear, relaing univer, and loss of appeare, sweating, trembling, weakness, anxiety and changes in perception.

The BZO assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the Oxazepam concentration in saliva exceeds 30ng/mL.

Cocaine is a potent central nervous system (CNS) stimulant and a local anesthetic derived from the coca plant (erythroxylum coca). The drug is often self-administered by nasal inhalation intravenous injection and free-base smoking. Depending on the route of administration, cocain and metabolites benzoylecgonine and ecgonine methyl ester can be detected in oral fluid at early as 5-10 minutes following use. Cocaine and benzoylecgonine can be detected in oral fluid at for up to 24 hours after use.

The COC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the cocaine in oral fluid exceeds 15ng/mL.

Cocaine (COC20)

Cocaine a potent central nervous system (CNS) stimulant and a local anesthetic derived from the coca plant (erythroxylum coca). The drug is often self-administered by nasal inhalation, intravenous injection and free-base smoking. Depending on the route of administration, cocaine and metabolites benzoylectonine and econine methyl ester can be detected in oral fluid as arly as 5-10 minutes following use. ² Cocaine and benzoylecgonine can be detected in oral fluid

for up to 24 hours after use.²
The COC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the cocaine in oral fluid exceeds 20ng/mL.

Cocaine (COC50)

Cocaine is a potent central nervous system (CNS) stimulant and a local anesthetic derived from Cocame is a potent central nervous system (civis) summant and a local aniestnetic centred from the coca plant (erythroxylum coca). The drug is often self-administered by nasal inhalation, intravenous injection and free-base smoking. Depending on the route of administration, cocaine and metabolites benzoylecgonine and ecgonine methyl ester can be detected in oral fluid as early as 5-10 minutes following use.2 Cocaine and benzoylecgonine can be detected in oral fluids for up to 24 hours after use

 $_{\rm 100}$ to $_{\rm 24}$ nours alter use. The COC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the cocaine in oral fluid exceeds 50ng/mL.

Cotinine (COT 30)

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.

Although nicotine is excreted in saliva, the relatively short half-life of the drug makes it an Authority income is excreted in sainta, the relatively stort hall-life of the drug flakes it are unreliable maker for tobacco use. Cotinine, however, demonstrates a substantially longer half-life than nicotine bears a high correlation with plasma cotinine levels and has been found to be the best maker for smoking status compared with saliva nicotine measurement, breath carbon monoxide testing and plasma thiocyanate testing.

The window of detection for cotinine in saliva at a cutoff level of 30ng/mL is expected to be up to 1-2 days after nicotine use

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, picotine is also commercially available as the active ingredient in smoking replacement therapies such as nicotine gum, transdermal patches and nasal sprays.

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The window of detection for cotinine in saliva at a cutoff level of 50ng/mL is expected to be up to

1-2 days after nicotine use. Fentanyl(FYL10)

Fentanyl, belongs to powerful narcotics analgesics, and is a µ special opiates receptor stimulant. 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 pain. After continuous injection of fentanyl, the sufferer will have the performance of protracted opioid abstinence syndrome, such as ataxia and irritability etc, 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

The FYL assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the fentanvl concentration in saliva exceeds 10ng/mL.

ine(KET30)

Ketamine(KE130)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

The KET assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the ketamine concentration in saliva exceeds 30ng/mL.

Ketamine(KET50)

etamine 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 including furnithess, loss of coordination, series 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

The KET assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

ketamine concentration in saliva exceeds 50ng/mL. Methylenedioxymethamphetamine (MDMA50)

Methylenedioxymethamphetamine (ecstasy) is a designer drug first synthesized in 1914 bv 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 MDMA assay contained within The Multi-Drug Rapid Test Cup yields a positive result when

Methamphetamine is a potent stimulant chemically related to amphetamine but with greater CNS stimulation properties. The drug is often self-administered by nasal inhalation, smoking or ora ngestion. Depending on the route of administration, methamphetamine can be detected in ora

rigesuor. Depending on the route or administration, mentamphetamine can be detected in oral luid as early as 5-10 minutes following use and for as long as 72 hours after use.

The MET assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the methamphetamine concentration in oral fluid exceeds 25ng/mL.

Methamphetamine (MET50) Methamphetamine (MET60)
Methamphetamine is a potent stimulant chemically related to amphetamine but with greater CNS
stimulation properties. The drug is often self-administered by nasal inhalation, smoking or oral
ingestion. Depending on the route of administration, methamphetamine can be detected in oral
fluid as early as 5-10 minutes following use and for as long as 72 hours after use.

The MET assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

methamphetamine concentration in oral fluid exceeds 50ng/mL.

Methadone (MTD30)

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).

Methadone is a long acting pain reliever producing effects that last from 12-48hours. Ideally,

methadone frees the client from the pressures of obtaining illegal heroin, from the dangers of niection, and from the emotional roller coaster that most opiates produce. Methadone, if taken fo long periods and at large doses, can lead to a very long withdrawal period. A study 414 specimens collected from 16 donors taking therapeutic methadone at doses between 30-100 mg/day all showed saliva methadone concentrations exceeding 20 ng/mL.

The MTD assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the Methadone concentration in saliva exceeds 30ng/mL

he drug class opiates refers to any drug that is derived from the opium poppy, including nat occurring compounds such as morphine and codeine and semi-synthetic drugs such as heroin. Opiates act to control pain by depressing the central nervous system. The drugs demonstrate objects act to common pain by depressing the central networks system. In a drugs demonstrate addictive properties when used for sustained periods of time; symptoms of withdrawal may include sweating, shaking, nausea and irritability. Opiates can be taken orally or by injection routes including intravenous, intramuscular and subcutaneous; illegal users may also take the intravenously or by nasal inhalation. Using an immunoassay cutoff level of 40ng/mL, codeine can be detected in the oral fluid within 1 hour following a single oral dose and can remain detectable for 7-21 hours after the dose.3 Heroin metabolite 6-monoacetylmorphine (6-MAM) is found more

The OPI assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the morphine concentration in oral fluid exceeds 30ng/mL.

Opiates (OPI40)

The drug class opiates refers to any drug that is derived from the opium poppy, including naturally occurring compounds such as morphine and codeline and semi-synthetic drugs such as heroin. Opiates act to control pain by depressing the central nervous system. The drugs demonstrate addictive properties when used for sustained periods of time; symptoms of withdrawal may include sweating, shaking, nausea and irritability. Opiates can be taken orally or by injection routes including intravenous, intramuscular and subcutaneous; illegal users may also take the intravenously or by nasal inhalation. Using an immunoassay cutoff level of 40ng/mL, codeine cal be detected in the oral fluid within 1 hour following a single oral dose and can 7-21 hours after the dose. Heroin metabolite 6-monoacetylmorphine (6-MAM) is found more prevalently in oral fluid than urine.

The OPI assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

orphine concentration in oral fluid exceeds 40ng/ml

Opiates (OPI50)

Opiates (Oriou)

The drug class opiates refers to any drug that is derived from the opium poppy, including naturally occurring compounds such as morphine and codeine and semi-synthetic drugs such as heroin.

Opiates act to control pain by depressing the central nervous system. The drugs demonstrate addictive properties when used for sustained periods of time; symptoms of withdrawal may ating, shaking, nausea and irritability. Opiates can be taken orally or by inject include swearing, shaking, hausea and irritability. Optates can be taken oranjy or by injection routes including intravenous, inframuscular and subcutaneous; illegal users may also take the intravenously or by nasal inhalation. Using an immunoassay cutoff level of 40ng/mL, codeine can be detected in the oral fluid within 1 hour following a single oral dose and can remain detectable for 7-21 hours after the dose. Heroin metabolite 6-monoacetylmorphine (6-MAM) is found more revalently in oral fluid than urine

prevaiently in oral initial train urine.

The OPI assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the morphine concentration in oral fluid exceeds 50ng/mL.

Oxycodone is a semi-synthetic opioid with a structural similarity to codeine. The drug is manufactured by modifying the baine, an alkaloid found in the onium poppy. Oxycodone, like al manulactured by incolving the oralle, an arkation found in the option poppy. Cxycodone, like all opiate agonists, provides pain relief by acting on opioid receptors in the spinal cord, brain, and possibly directly in the affected tissues. Cxycodone is prescribed for the relief of moderate to high pain under the well-known pharmaceutical trade names of CxyContin®, 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

consists solely or oxycocone in guidentineer in a time-release form. Oxycocone is known to metabolize by demethylation into oxymorphone and noroxycodone. The OXY assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the Oxycodone concentration in saliva exceeds 20ng/mL.

Phencyclidine (PCP10)

Phencycliding the hallucinggen commonly referred to as Angel Dust, can be detected in saliva as Priericyclionie, the hallochiogen commonly ference to as Angle Dust, can be detected in saliva as a result of the exchange of the drug between the circulatory system and the oral cavity. In a paired serum and saliva sample collection of 100 patients in an Emergency Department, PCP was detected in the saliva of 79 patients at levels as low as 2 ng/mL and as high as 600 ng/mL.³ The PCP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the Phencyclidine concentration in oral fluids exceeds 10ng/mL.

Phencyclidine (PCP3)

e, the hallucinogen commonly referred to as Angel Dust, can be detected in saliva as a result of the exchange of the drug between the circulatory system and the oral cavity. In a paired serum and saliva sample collection of 100 patients in an Emergency Department, PCP was detected in the saliva of 79 patients at levels as low as 2 ng/mL and as high as 600 ng/mL The PCP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

encyclidine concentration in oral fluids exceeds 3ng/mL.

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 as all allagest, propoxyphere are the form of 27% as potentials start occurred. Surface 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 norpropoxyphen 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 PPX assay contained within The Multi-Drug Rapid Test Cup yields a positive result when

propoxyphene in saliva exceeds 30ng/mL. Propoxyphene (PPX50)

poxyphene (PPX) is a narcotic analgesic compound bearing structuralsimilarity to methadone Triploxypherie (if \(\) / is a flactorial analysis compound bearing structural similarity to instruction As an analgesic, propoxyphene can be from 50-75% as potent as oral codeine. Darvocet \(\) one of the most common brand names forthe 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

reach significantly inginer levels.

In humans, propoxyphene is metabolized by N-demethylation to yield norpropoxyphe Norpropoxyphene has a longer half-life (30 to 36 hours) than parent propoxyphene (6 to hours). The accumulation of norpropoxyphene seen with repeated doses may be largely responsible for resultant toxicity. The PPX assay contained within The Multi-Drug Rapid Test Cun yields a positive result when

propoxyphene in saliva exceeds 50ng/mL.

Synthetic Marijuana(SMA25)

Synthetic Marijuana or K2 is 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 famil-As of March 1, 2011, five cannabinoids, JWH -018, JWH- 073, CP- 47, JWH- 200 and

As of match 1, 2011, live calmiabilious, 3WH -013, 3WH -013, CF -47, WH -020 and 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 SMA assay contained within The Multi-Drug Rapid Test Cup yields a positive result when

Synthetic Marijuana(SMA30) Synthetic Marijuana or K2 is a psychoactive herbal and chemical product that, when consumed.

JWH-018 5-Pentanoic acid metabolite in saliva exceeds 25ng/mL.

Symmetric Manipularia of Net is a psycholautric herbal and orbanical product hat, when consumer, minimics 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

history of mental illness.
As of March 1, 2011, five cannabinoids, JWH -018, JWH- 073, CP- 47, JWH- 200 and 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 SMA assay contained within The Multi-Drug Rapid Test Cup yields a positive result when

The Smirk assay contained within The Molin-Drig Halpid less cup yields a positive result when JWH-018 5-Pentanoic acid metabolite in saliva exceeds 30ng/mL.

Synthetic Marijuana K2+(AB-Pinaca)(SMP10)

Synthetic cannabinoids are designer drugs that are structurally different from THC (the active component of cannabis) but act in similar ways to affect the cannabinoid receptor system in the orain. Over the past few years, this class of designer drugs has mainstreamed to become globally popular and increasingly problematic. Synthetic cannabinoids fall into seven major structural

- oups: .Naphthoylindoles (e.g. JWH-018, JWH-073)
- 2. Naphthylmethylindoles (JWH-175, JWH-184, JWH-185, JWH-199)
- Naphthoylpyrroles (JWH-145, JWH-146, JWH-147, etc)
 Naphthylmethylindenes (JWH-176)
 Phenylacelylindoles (JWH-250, JWH-251, JWH-302)
 Cyclohexylphenols (e.g. CP 47,497)
- Dibenzopyrans (classic cannabinoid structure such as. HU-210 and HU-211)

New structural group: Aminoalkylindazoles (AB-PINACA, AB-FUBINACA, AB-CHMINACA, etc) their original, chemical state, synthetic cannabinoids are liquid. The drugs are usually sold

in their original, chemical state, synthetic carnialonous are riquid. The drugs are usually sold combined with dried herbs that emulate marijuana and are intended for smoking although powdered versions are also available. As laws are written to control these drugs with each new synthetic cannabinoid class as they are introduced to the market, the older versions (JWH-018,JWH-073) are seen less frequently than years past. The current trend shows theaminoalkylindazole based drugs such as AB-PINACA, AB-FUBINACA and AB-CHMINACA.

The SMP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the AB-PINACA pentanoic acid metabolite concentration in oral fluid exceeds 10ng/mL.

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 slow learning. They may also experience transient episodes of confusion and anxiety. Long-term, relatively heavy use may be associated with behavioral disorders. The parent THC also known as Δ9-THC is present in oral fluid after use. The THC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

Δ9-THC concentration in oral fluid exceeds 15ng/mL. Marijuana (THC40)

manipulana (Tn.44)
THC (\(\text{A9-terrahydrocannabinol} \)) is the primary active ingredient in cannabis (marijuana). When smoked or orally administered, THC produces euphoric effects. Users have impaired short term memory and slow learning. They may also experience transient episodes of confusion and anxiety. Long-term, relatively heavy use may be associated with behavioral disorders. The parent THC also known as A9-THC is present in oral fluid after use

The THC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the Δ9-THC concentration in oral fluid exceeds 40ng/mL.

Marijuana (THC50)

manjuana (1 ncου) THC (Δ9-tetrahydrocannabinol)is the primary active ingredient in cannabis (marijuana). When smoked or orally administered. THC produces emploric effects. Users have impaired short term smoked of drainy administered, 1rto produces euphronic effects. Osers have impaired short term memory and slow learning. They may also experience transient episodes of confusion and anxiety. Long-term, relatively heavy use may be associated with behavioral disorders. The parent THC also known as Δ9-THC is present in oral fluid after use.

The THC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the Δ9-THC concentration in oral fluid exceeds 50ng/mL. Tramadol(TMI 30)

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. The major pathways appear

to be N- and O- demethylation, glucuronidation or sulfation in the liver The TML assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

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 recentors. Large is a symmetric arriangly or coolerine, but mas a now binding animity to the intro-priori receptions. Large doses of tramadol can develop tolerance and physiological dependency and lead to its abuse. Tramadol is extensively metabolized after oral administration. The major pathways appear to be N- and O- demethylation, glucuronidation or sulfation in the liver. The TML assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the

tramadol concentration in oral fluid exceeds 50ng/mL

Zoniclone(ZOP20)

Zopiclone is a kind of benzodiazepines sedative hypnotics, tell from the chemistry, it belongs to cyclopyrrolidone, it combines with Benzodiazepine receptor in part of GABA receptor, it is absorbed rapidly after oral administration, reaches its peak concentration in plasma 1-1.5 hours later, the oral bioavailability is close to 80%,45%-80% of zopiclone binds with plasma protein and s widely distributed throughout the body. Its concentration in saliva is higher than that in plasma is whelly distributed throughout the body. Its concentration in saliva is nighter than that in prasma. Its bitter taste is proportional to the concentration in saliva. Since zopiclone was applied in clinic in 1985, its abuse and addiction tendency have been a controversial topic. Some studies have pointed out that its risk is low or small, but at the same time, in different countries, there are more and more individual reports of abuse, addiction and withdrawal complications.

The ZOP assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the opiclone concentration in oral fluid exceeds 20ng/mL

6-Monoacetylmorphine (6-MAM3)
6-Monoacetylmorphine (6-MAM) or 6-Acetylmorphine (6-AM) is one of three active metabolites of heroin (diacetylmorphine), the others being morphine and the much less active3-Monoacetylmorphine (3-MAM), 6-MAM occurs as a metabolite of heroin, which is rapidly created from heroin in the body. Heroin is rapidly metabolized by esterase enzymes in the brain and has an extremely short half-life. It has also relatively weak affinity to µ-opioid receptors because the 3-hydroxy group, essential for effective binding to the receptor, is masked by the acetyl group. Therefore, heroin acts as a pro-drug, serving as a lipophilic transporter for the systemic delivery of morphine, which actively binds with u-opioid receptors.

The 6-MAM assay contained within The Multi-Drug Banid Test Cun yields a positive result when entration in oral fluid exceeds 3ng/

6-Monoacetylmorphine (6-MAM5)
6-Monoacetylmorphine (6-MAM) or 6-Acetylmorphine (6-MA) is one of three active metabolites of heroin (diacetylmorphine), the others being morphine and the much less active3-Monoacetylmorphine (3-MAM) 6-MAM occurs as a metabolite of heroin, which is rapidly created informacelymnorphine (3-m/aw), 6-m/aw occurs as a metabolite to neroin, which is rapidly dealed from heroin in the body. Heroin is rapidly metabolized by esterase enzymes in the brain and has an extremely short half-life. It has also relatively weak affinity to µ-opioid receptors because the 3-hydroxy group, essential for effective binding to the receptor, is masked by the acetyl group. Therefore, heroin acts as a pro-drug, serving as a lipophilic transporter for the systemic deliver of morphine, which actively binds with u-opioid receptors.

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The 6-MAM assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the 6-Monoacetylmorphine concentration in oral fluid exceeds 5ng/mL. Monoacetylmorphine (6-MAM10)

6-Monoacetylmorphine (6-MAM) or 6-Acetylmorphine (6-AM) is one of three active metabolites of

heroin (diacetylmorphine), the others being morphine and the much less active3-Monoacetylmorphine (3-MAM) 6-MAM occurs as a metabolite of heroin, which is rapidly created informacelymnorphine (3-m/aw), 6-m/aw occurs as a metabolite to neroin, which is rapidly dealed from heroin in the body. Heroin is rapidly metabolized by esterase enzymes in the brain and has an extremely short half-life. It has also relatively weak affinity to µ-opioid receptors because the 3-hydroxy group, essential for effective binding to the receptor, is masked by the acetyl group. Therefore, heroin acts as a pro-drug, serving as a lipophilic transporter for the systemic delivery of morphine, which actively binds with u-opioid recentors

The 6-MAM assay contained within The Multi-Drug Rapid Test Cup yields a positive result when the 6-Monoacetylmorphine concentration in oral fluid exceeds 10ng/mL.

Two-thirds of all adults drink alcohol. However, alcohol intoxication can lead to loss of alertness. coma, death and birth defects. The blood alcohol concentration (BAC) at which a person becomes impaired is variable. The United States Department of Transportation (DOT) has established a BAC of 0.02%(20mg/dL) as the cut-off level at which an individual is considered positive for the presence of alcohol. Determination of ethyl alcohol in urine, blood and saliva is commonly used for measuring legal impairment, alcohol poisoning, etc. Gas chromatography techniques and enzymatic methods are commercially available for the determination of ethyl

ALC assay contained within The Multi-Drug Rapid Test Cup yields a positive result when ethyl alcohol in saliva exceeds 0.02%(20mg/dL)

[ASSAY PRINCIPLE]

The Multi-Drug Rapid Test Cup for AMP/BAR/BUP/BZO/COC/COT/FYL/KET/MDMA/MET/MTD/OP/ OXY/PCP/PS/SMA/SMP/THC/TML/ZOP/6-MAM is an immunoassay based on the principle of competitive binding. Drugs that may be present in the oral fluid specimen compete against their respective drug conjugate for binding sites on their specific antibody.

During testing, a portion of the oral fluid specimen migrates upward by capillary action. A drug, if present in the oral fluid 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 line region of the specific drug strip. The presence of drug above the cut-off concentration in the oral fluid specimen will saturate all the binding sites of the antibody. Therefore, the colored line will not form in the test line region.

A drug-positive oral fluid specimen will not generate a colored line in the specific test line region A drug-positive or initial speciment with not generate a colored line in the specime test line region of the strip because of drug competition, while a drug-negative oral fluid specimen will generate a line in the test line region because of the absence of drug competition.

To serve as a procedural control, a colored line will always appear at the control line region,

indicating that proper volume of specimen has been added and membrane wicking has occurred Alcohol Strip (Saliya) is based on the high specificity of alcohol oxidase (ALOx)/peroxidaseact on ethyl alcohol and enzyme substrate such as tetramethylbe (TMB). The principle are showed below:

ALOx/Peroxidase

[REAGENTS]

Amphetamine, Secobarbital, Buprenorphine, Oxazepam, Cocaine, Cotinine, Fentanyl, Ketamine, Methylenedioxymethamphetamine, Methamphetamine, Oxycodone, Phencyclidine, Propoxyphene, Synthetic Marijuana, AB-Pinaca, THC, Tramadol, Zopiclone and 6-Monoacetylmorphinerespectively.

For alcohol strip, the reagents contain Tetramethylbenzidine(TMB), Alcohol Oxidase, Peroxidase

[PRECAUTIONS]

a dve pad which contains colloidal gold particles coated with mouse monoclonal antibody specific

Do not use after the expiration date.
The test should remain in the sealed pouch until use.
Saliva is not classified as biological hazard unless derived from a dental procedure.

STORAGE AND STABILITY Store as packaged in the sealed pouch at 2-30°C. The product contains alcohol strip should be stored in the sealed pouch at 2-27°C, if storage temperature exceeds 27°C, the test performance may degrade. The test is stable through the expiration date printed on the sealed pouch. The test

cups must remain in the sealed pouch until use. **DO NOT FREEZE.** Do not use beyond the

Package insert

luid collected at any time of the day may be used. [MATERIALS] Materials Provided

Materials Required but Not Provided

tobacco products for at least 10 minutes prior to collection. Bring the pouch to room temperature before opening it. Remove the test from the sealed

pouch and use it within one hour of opening.

Remove the test cup from the sealed pouch and instruct the donor to place the tongue against the root of the upper or lower jaw, pool saliva in mouth.

Instruct the donor to place the sponge between their lower cheek and gums and rub it back

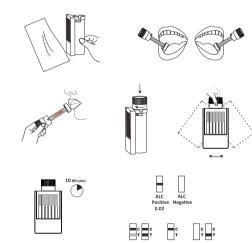
adult of the control of the control

Wait for the colored line(s) to appear. Read results at 10 minutes. Do not read results after

20 minutes.

For alcohol strip, read the result at two(2) minutes, compare the color of the reaction pad with

the color card to determine the relative saliva alcohol level. Note: The saliva collector may have a slight taste that varies from person to person because it has



[INTERPRETATION OF RESULTS]

(Please refer to the previous illustration)

NEGATIVE:* Two lines appear. One colored line should be in the control region (C), and

indicates that the drug concentration is below the detectable leve *NOTE: The shade of color in the test line region (Drug/T) will vary, but it should be considered

region (Drug/T). This positive result indicates that the drug concentration is above the detectable INVALID: Control line fails to appear. Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the test using a new test panel. If the problem persists, discontinue using the lot immediately and

contact the manufacturer

lighter than the 0.02% color pad should be interpreted as positive but less than 0.02%(20mg/dL). Negative: Alcohol Strip (Saliva) shows no color change. It means alcohol is not detected.

CH3CHO + Colored TMB

The test contains membrane strips coated with drug-protein conjugates (purified bovine albumin) on the test line, a goat polyclonal antibody against gold-protein conjugate at the control line, and

Alcohol Oxidase and other additives.

The used collector and cup should be discarded according to federal, state and local

FORCIMEN COLLECTION AND DREDARATION The oral fluid specimen should be collected using the collector provided with the kit. Follow the detailed Directions for Use below. No other collection cups should be used with this assay. Oral

Collectors Color card(When for alcohol strip)

[DIRECTIONS FOR USE] Allow the test cup, specimen, and/or controls to reach room temperature (15-27°C) prior to testing. Instruct the donor do not place anything in the mouth including food, drink, gum or

and forth between the left and right cheeks and gums respectively until the sponge is fully

press sponge fully against the strainer to collect oral fluid. Secure the can, shake three times, and start the timer See illustration below

heen pre-treated to stimulate saliva secretion



another apparent colored line adjacent should be in the test region (Drug/T). This negative result

regative whenever there is even a faint line.

POSITIVE: One colored line appears in the control region (C). No line appears in the test

Positive: Alcohol Strip (Saliva) produce a color change based on the presence of saliva alcohol. The color ranges from light blue color(0.02%(20mg/dL)) to dark blue(0.30%).

NOTE: Alcohol Strip (Saliva) is very sensitive to the presence of alcohol. A blue color that is

Invalid: If the color pad has a blue color before applying saliva sample, do not use the test.

【QUALITY CONTROL】

A procedural control is included in the test. A colored line appearing in the control region (C) is considered an internal procedural control. It confirms adequate membrane wicking.
[LIMITATIONS]

1. The Multi-Drug Rapid Test Cup provides only a qualitative, preliminary analytical result. A

- The Molli-Drug Alpho test Cup provides only a qualitative, preliminary analytical method should be used to obtain a confirmed result. Cas chromatography/mass spectrometry (GC/MS), gas chromatography/landem mass spectrometry (IC/MS) or liquid chromatography/tandem mass spectrometry (IC/MS/MS) are the preferred confirmatory methods. A positive test result does not indicate the concentration of drug in the specimen or
- the route of administration.

 2. A negative result may not necessarily indicate a drug-free specimen. Drug may be present in the specimen below the cutoff level of the assay.
- Ricohol Strip mple should be collected 15 minutes after in taking food, drink, or other materials (including smoking), the residual may affect the test results.

 2. Some household products, such as disinfectant, deodorizers, perfumes, and glass cleaners,
- contain alcohol, these factors should be excluded before testing.

 Ingestion or general use of over-the-counter medications and products containing alcohol can produce positive results.

 [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]

Assemble each single test into the cup before testing, and evaluate the cup with approximately 44-280 specimens per drug type previously collected from subjects presenting for Drug Screen Testing which were confirmed by GC/MS. These specimens were randomized and tested using The Multi-Drug Rapid Test Cup. Specimens were rated as either position or constitution.

Me	thod	GO	/MS	0/	% Total
2	Rapid Test up	Positive	Negative	% agreement with GC/MS	agreemen with GC/M
AMP 25	Positive	56	2	96.6%	97.5%
711111 20	Negative Positive	90	100	98.0% 94.7%	07.070
AMP 50	Negative	5	6 109	94.7%	94.8%
BAR50	Positive	80	6	96.4%	95.7%
BAROU	Negative	3	121	95.3%	95.7%
BUP5	Positive	86	5	95.6%	95.7%
	Negative Positive	4 86	115 5	95.8% 95.6%	
BUP 10	Negative	4	115	95.8%	95.7%
BZO10	Positive	94	5	94.0%	94.8%
	Negative Positive	6 94	105 5	95.5% 94.0%	
BZO20	Negative	6	105	95.5%	94.8%
BZO 30	Positive	94	5	94.0%	94.8%
-	Negative Positive	6 41	105 0	95.5% >99%	
COC15	Negative	0	109	>99%	>99%
COC20	Positive	38	2	92.7%	96.7%
00020	Negative	3	107	98.2%	00.770
COC50	Positive Negative	38	2 107	92.7% 98.2%	96.7%
00700	Positive	131	2	99.2%	00.70/
COT30	Negative	1	96	98.0%	98.7%
COT 50	Positive	131	2	99.2%	98.7%
	Negative Positive	1 53	96 1	98.0% 98.1%	
FYL10	Negative	4	92	95.8%	96.7%
KET 30	Positive	49	3	94.2%	94.5%
	Negative Positive	5 90	88 6	94.6% 93.8%	
KET 50	Negative	5	109	95.6%	94.8%
MDMA50	Positive	96	1	97.0%	98.3%
WIDIWIAGO	Negative	3	130	99.2%	30.070
MET 25	Positive Negative	43	2 92	95.6% 96.8%	96.4%
MET FO	Positive	126	4	99.2%	00.00/
MET 50	Negative	1	149	97.4%	98.2%
MTD 30	Positive Negative	116 3	3 108	97.5% 97.3%	97.4%
OPLOS	Positive	61	3	95.3%	00.00/
OPI 30	Negative	2	89	97.8%	96.8%
OPI40	Positive	89	7	93.7%	93.8%
	Negative Positive	6 89	108 7	93.9% 93.7%	
OPI50	Negative	6	108	93.9%	93.8%
OXY 20	Positive	91	1	97.8%	98.7%
	Negative Positive	107	136	99.3% 96.4%	
PCP 3	Negative	4	117	98.3%	97.4%
PCP 10	Positive	107	2	96.4%	97.4%
. 00	Negative Positive	92	117	98.3% 95.8%	07.170
PPX 30	Negative	4	111	97.4%	96.7%
PPX 50	Positive	92	3	95.8%	96.7%
117.50	Negative	4	111	97.4%	30.7 70
SMA 25	Positive Negative	52 4	92	92.9% 97.9%	96%
SMA 30	Positive	52	2	92.9%	069/
SIVIA 30	Negative	4	92	97.9%	96%
SMP 10	Positive Negative	4 0	0 40	>99% >99%	>99%
TUC 15	Positive	75	5	96.2%	96.8%
THC 15	Negative	3	167	97.1%	90.0%
THC 40	Positive	84	1 105	>99%	99.6%
	Negative Positive	75	165 5	99.4% 96.2%	
THC 50	Negative	3	167	97.1%	96.8%
TML 50	Positive	80	6	96.4%	95.7%
	Negative Positive	3 89	121 0	95.3% >99%	
TML 30	Negative	0	121	>99%	>99%
ZOP 20	Positive	36	0	>99%	>99%
	Negative	0 36	114 0	>99% >99%	20070
6-MAM 3	Positive Negative	0	128	>99%	>99%
6-MAM 5	Positive	36	0	>99%	>99%
	Negative	0	128	>99%	>99%
6-MAM	Positive	36	0	>99%	>99%
10	Negative	0	128	>99%	

Alconol Strips				
	Results	>0.02%(Spiked)	0	Total Results
Alcohol Strip(Saliva)	Positive	30	0	30
	Negative	1	29	30
Total Result	S	31	29	60

 $\begin{array}{c} \textbf{Analytical Sensitivity} \\ \textbf{A Phosphate-buffered saline (PBS) pool was spiked with drugs to target concentrations of <math>\pm$ 50% cut-off, \pm 25% cut-off, \pm 300% cut-off and tested with The Multi-Drug Rapid Test Cup. The results are summarized below

% Agreement 97% 100% 98%

Drug conc.	n	AMI	P25	AM	P50	B/	AR50	BU	IP5
(Cut-off range)	"		+	-	+	-	+		+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	25	5	27	3	26	4	27	3
Cut-off	30	15	15	15	15	19	11	15	15
+25% Cut-off	30	4	26	7	23	6	24	7	23
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.	_	BUI	P 10	BZ	010	BZ	020	BZ	D30
(Cut-off range)	n	-	+	-	+		+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	27	3	27	3	27	3	27	3
Cut-off	30	15	15	15	15	15	15	15	15
+25% Cut-off	30	7	23	7	23	7	23	7	23
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.	n	CO	C15	co	C20	C	C50	co	T30
(Cut-off range)			+		+		+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	26	4	25	5	25	5	27	3
Cut-off	30	15	15	15	15	15	15	20	10
+25% Cut-off	30	5	25	3	27	3	27	4	26
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.	n	CC	T50	FY	L10	KE	T30	KE	T50
(Cut-off range)	"	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	28	2	24	6	8	2	25	5
Cut-off	30	16	14	15	15	5	5	16	14
+25% Cut-off	30	6	24	3	27	1	9	4	26
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.	n	MDN	/A50	ME	T25	ME	T50	MT	D30
(Cut-off range)		-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	25	5	24	6	28	2	27	3
Cut-off	30	20	10	14	16	16	4	13	17
+25% Cut-off	30	7	23	4	26	6	24	7	23
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

	Drug conc.	n	OP	130	OP	140	0	PI50	OX	Y20
	(Cut-off range)		-	+	-	+	-	+	-	+
ſ	0% Cut-off	30	30	0	30	0	30	0	30	0
[-50% Cut-off	30	30	0	30	0	30	0	30	0
	-25% Cut-off	30	24	6	27	3	27	3	25	5
	Cut-off	30	14	16	15	15	15	15	15	15
	+25% Cut-off	30	4	26	8	22	8	22	7	23
	+50% Cut-off	30	0	30	0	30	0	30	0	30
	+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.		PC	P3	PC	P10	PF	X30	PP	X50
(Cut-off range)	n	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	26	4	26	4	25	5	25	5
Cut-off	30	14	16	14	16	15	15	15	15
+25% Cut-off	30	5	25	5	25	4	26	4	26
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.	n	SM	A25	SM	A30	SN	1P10	TH	C15
(Cut-off range)	"	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	26	4	26	4	27	3	26	4
Cut-off	30	15	15	15	15	15	15	12	18
+25% Cut-off	30	4	26	4	26	3	27	8	22
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc.	n	THC40		THC50		TML30		TML50	
(Cut-off range)	. "	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	26	4	27	3	25	5	26	4
Cut-off	30	12	18	12	18	14	16	14	16
+25% Cut-off	30	8	22	5	25	4	26	4	26
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Drug conc. (Cut-off range)	n	ZOP20		6-MAM 3		6-MAM 5		6-MAM10	
		-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0
-25% Cut-off	30	26	4	25	5	25	5	27	3
Cut-off	30	14	16	15	15	14	16	14	16
+25% Cut-off	30	4	26	4	26	4	26	4	26
+50% Cut-off	30	0	30	0	30	0	30	0	30
+300% Cut-off	30	0	30	0	30	0	30	0	30

Analytical Specificity
The following table lists the cutoff concentration of compounds (ng/mL) above which will be detected by The Multi-Drug Rapid Test Cup for AMP/BAR/BUP/BZO/COC/COT/FYL/KET/MDMA/MET/MTD/OPI/

XY/PCP/PPX/SMA/SMP/THC/TML/Z0	OP/6-MAM	ALC at a read time of 10 minutes,	respectively					
Compound	ng/mL	Compound	ng/mL					
AMPHETAMINE (AMP25)								
D-Amphetamine	25	p-Hydroxyamphetamine	200					
D,L-Amphetamine	500	(+)3,4- Methylenedioxyamphetamine (MDA)	250					
-Amphetamine	35 000							

	PHETAMII	NE (AMP50)	1400
D-Amphetamine	50	p-Hydroxyamphetamine (+)3,4-	400
D,L-Amphetamine	1,000	Methylenedioxyamphetamine (MDA)	500
L-Amphetamine BA	70,000 RBITURAT	ES(BAR50)	
Amobarbital Aprobarbital	250 80	Pentobarbital Phenobarbital	70 30
Butabarbital Butalbital	25 500	Secobarbital	50
BUI	PRENORP	HINE(BUP5)	le le
Norbuprenorphine Buprenorphine-3-β-D-glucuronide	90 50	Buprenorphine Norbuprenorphine-3-β-D-	300
		glucuronide HINE(BUP10)	000
Norbuprenorphine	180	Buprenorphine Norbuprenorphine-3-β-D-	10
Buprenorphine-3-β-D-glucuronide	100 ZODIAZEP	glucuronide INES(BZO10)	600
Oxazepam Alprazolam	10	7-Amino-clonazepam Bromazepam	5,000
Chlordiazepoxide	50	Clonazepam	1,000
Desalkylflurazepam Estazolam	500 80	Diazepam Flunitrazepam	50 500
Furosemide Midazolam	5,000 1,000	Lorazepam Midazolam Maleate	700 2,500
Nefopam Norchlordiazepoxide	1,000 25	Nitrazepam Oxolinic acid	25 50,000
Pheniramine	50,000	Theophylline	50,000
	ZODIAZEP	INES(BZO20)	1
Oxazepam Alprazolam	20 200	7-Amino-clonazepam Bromazepam	10,000 20
Chlordiazepoxide Desalkylflurazepam	1,000	Clonazepam Diazepam	2,000
Estazolam Furosemide	160 10,000	Flunitrazepam Lorazepam	1,000 1,400
Midazolam	2,000	Midazolam Maleate	5,000
Nefopam Norchlordiazepoxide	2,000 50	Nitrazepam Oxolinic acid	50 100,000
Pheniramine α-Hydroxyalprazolam	100,000	Theophylline	100,000
	ODIAZEP 50	INES(BZO30) 7-Amino-clonazepam	25,000
Alprazolam Chlordiazepoxide	500 250	Bromazepam Clonazepam	50
Desalkylflurazepam	2,500	Diazepam	250
Estazolam Furosemide	400 25,000	Flunitrazepam Lorazepam	2,500 3,500
Midazolam Nefopam	5,000 5,000	Midazolam Maleate Nitrazepam	12,500 125
Norchlordiazepoxide	125 250,000	Oxolinic acid	250,000
Pheniramine α-Hydroxyalprazolam	250	Theophylline	250,000
Cocaine HCI	15	(COC15) EcgonineHCl	45,000
Benzoylecgonine Cocaethylene	15 550	Ecgonine methyl ester	75,000
	COCAINE 20	(COC20) EcgonineHCl	60,000
Benzoylecgonine	20	Ecgonine methyl ester	100,000
	700 COCAINE		
Cocaine HCI Benzoylecgonine	50 50	EcgonineHCl Ecgonine methyl ester	60,000 100,000
Cocaethylene	1,750	(COT 30)	
(-)-Cotinine	30	(-)-Nicotine (COT 50)	15,000
(-)-Cotinine	50	(-)-Nicotine	25,000
Fentanyl	10	Norfentanyl	4
	20,000 KETAMINE		
Ketamine(KET) (+/-)-Chlorpheniramine	30 50,000	Norketamine Pantoprazole Sodium	400 50,000
Levorphanol Meperidine (Pethidine)	50	hydromorphpne	30,000
	50 000		2,500
Naloxone	50,000 10,000	Promethazine d-Pseudoephedrine	2,500 50,000 100,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl-	10,000 2,500	Promethazine d-Pseudoephedrine Phencyclidine	2,500 50,000 100,000 100
Naloxone Naltrexone	10,000	Promethazine d-Pseudoephedrine	2,500 50,000 100,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine) Normorphine Oxymorphone	10,000 2,500 5,000 50,000 1,000	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride	2,500 50,000 100,000 100 5,000 50,000 50,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine	10,000 2,500 5,000 1,000 50,000 ETAMINE	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50)	2,500 50,000 100,000 100 5,000 50,000 50,000 50,000
Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine	10,000 2,500 5,000 50,000 1,000 50,000 (ETAMINE 50 85,000	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium	2,500 50,000 100,000 100 5,000 50,000 50,000 600 85,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET)	10,000 2,500 5,000 50,000 1,000 50,000 (ETAMINE	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine	2,500 50,000 100,000 100 5,000 50,000 50,000 600 85,000 85,000
Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol	10,000 2,500 5,000 50,000 1,000 50,000 (ETAMINE 50 85,000 85	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne	2,500 50,000 100,000 100 5,000 50,000 50,000 600 85,000 4,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Normorphine Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltrexone	10,000 2,500 5,000 1,000 1,000 50,000 (ETAMINE 50 85,000 15,000 4,000	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine	2,500 50,000 100,000 100,000 50,000 50,000 50,000 600 85,000 4,000 85,000 0 150
Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine)	10,000 2,500 5,000 5,000 1,000 50,000 50,000 65,000 85,000 85,000 15,000 4,000 8,500	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline	2,500 50,000 100,000 100,000 50,000 50,000 50,000 600 85,000 4,000 85,000 0 150 85,000 150 85,000 85,000 85,000 85,000 85,000 88,0
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Noxymorphine Oxymorphone	10,000 2,500 5,000 5,000 1,000 550,000 (ETAMINE 50 85,000 15,000 4,000 8,500 85,000 1,500	Promethazine d-Pseudosphedrine Phenoyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Heroin (diacetylmorphine) Methamphetamine Heroin (diacetylmorphine) Methamphetamine Hydrochride	2,500 50,000 100,000 100 5,000 50,000 50,000 50,000 600 85,000 4,000 85,000 150 0 0 150 85,000 85,000 85,000 85,000 85,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-dijhenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone	10,000 2,500 5,000 5,000 50,000 10,000 50,000 (ETAMINE 50 85,000 15,000 4,000 8,500 85,000 1,500 85,000 1,500 85,000 85,000 85,000 85,000 85,000	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine)	2,500 50,000 100,000 100 5,000 50,000 50,000 50,000 600 85,000 >100,00 0 150 0 85,000 8
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-dijhenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone	10,000 2,500 5,000 5,000 1,000 50,000 50,000 60,000 85,000 85,000 4,000 8,500 85,000 1,500 85,000	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMA50)	2,500 50,000 100,000 100 5,000 50,000 50,000 50,000 600 85,000 4,000 85,000 150 0 0 150 85,000 85,000 85,000 85,000 85,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naloxone Naloxone DDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxyamphetamine i 4,3,4-Methylenedioxyamphetamine i 3,4-Methylenedioxyamphetamine i 3,4-Methylenedioxyampheta	10,000 2,500 5,000 5,000 1,000 1,000 1,000 85,000 85,000 15,000 4,000 8,500 85,000 1,500 85,000 1,500 85,000 1,500 85,000 1,500 86,000 1,500 87,000 8	Promethazine d-Pseudosphedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudosphedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MyHETAMINE(MDMA50)	2.500 50,000 100,000 100 5,000 50,000 50,000 50,000 600 85,000 4,000 85,000 150 85,000 150 85,000 85,000 85,000 85,000 85,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone METHYLENEDIO (±) 3,4-Methylenedioxymethamphetam (±) 3,4-Methylenedioxymethamphetamine 3,4-Methylenedioxyamphetamine H 3,4-Methylenedioxyamphetamine H 3,4-Methylenedioxyamphetamine H 4-Methylenedioxyamphetamine METH 4-Methylenedioxythylamphetamine METH 4-Methylenedioxythylamphetamine METH 4-Methylenedioxythylamphetamine METH 4-Methylenedioxythylamphetamine	10,000 2,500 5,000 5,000 1,000 1,000 1,000 85,000 85,000 15,000 4,000 8,500 85,000 1,500 85,000 1,500 85,000 1,500 85,000 1,500 86,000 1,500 87,000 8	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMA50)	2,500 50,000 100,000 100 5,000 50,000 50,000 50,000 600 85,000 4,000 85,000 >100,00 0 150,000 150,000 50,000 85,000 85,000 85,000 85,000 50,000
Naloxone Naltraxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxymethamphetamine 4,3-4-Methylenedioxygmethamphetamine 3,4-Methylenedioxyethylamphetamine in 4-Methamphetamine METH d-Methamphetamine METH d-Methamphetamine METH d-Methylenedioxymethamphetamine METH d-Methamphetamine METH d-Methylenedioxymethamphetamine	10,000 2,500 5,000 1,000 50,000 1,000 50,000 50,000 65,000 85,000 15,000 15,000 85,000 85,000 85,000 85,000 85,000 85,000 85,000 85,000 85,000 85,000 86,000	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine MPHETAMINE(MDMA50) IDMA) MINE (MET25)	2.500 50,000 100,000 100 5,000 50,000 50,000 50,000 85,000 4,000 85,000 150 85,000 85,000 85,000 85,000 50,000
Naloxone Naltraxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxymethamphetamine 4,3-4-Methylenedioxygmethamphetamine 3,4-Methylenedioxyethylamphetamine in 4-Methamphetamine METH d-Methamphetamine METH d-Methamphetamine METH d-Methylenedioxymethamphetamine METH d-Methamphetamine METH d-Methylenedioxymethamphetamine	10,000 2,500 5,000 1,000 50,000 1,000 50,000 650,000 85,000 15,000 4,000 8,500 1,500 85,000 85,000 8	Promethazine d-Pseudosphedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudosphedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMA50) IDMA) MINE (MET25) Procaine	2.500 50,000 100,000 100 5,000 50,000 50,000 50,000 600 85,000 4,000 85,000 150 150 150 150 150 150 150
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxymethamphetam (±) 3,4-Methylenedioxymethamphetamine 3,4-Methylenedioxyethylamphetamine in 3,4-Methylenedioxymethamphetamine in 3,4-Methylenedioxymethyl	10,000 2,500 50,000 1,000 50,000 1,000 50,000 ETAMINE 50 85,000 85,000 15,000 8,500 85,000 8,500 15,000 8,500 1,500 8,50	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(2,500 50,000 100,000 100 5,000 50,000 50,000 85,000 4,000 85,000 >100,00 >150,000 50,000 150,000
Naloxone Naltraxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (4/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxyamphetamine is 3,4-Methylenedioxyamphetamine is 3,4-Methylenedioxyamphetamine is 3,4-Methylenedioxyamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxymethamphetamine is 3,4-Methylenedioxymethamp	10,000 2,500 50,000 1,000 50,000 1,000 50,000 ETAMINE 50 85,000 85,000 15,000 8,500 85,000 8,500 15,000 8,500 1,500 8,50	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMA50) DMA) MINE (MET25) Procaine L-Phenylephrine Ephedrine	2,500 50,000 100,000 100 5,000 50,000 50,000 85,000 4,000 85,000 >100,00 >150,000 50,000 150,000
Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxyamphetamine + 3,4-Methylenedioxyamphetamine + 3,4-Methylenedioxyamphetamine + METH d-Methamphetamine METH d-Methamphetamine + METH d-Methylenedioxymethamphetamine (MDMA) (IR,2S) - (-) Ephedrine METH d-Methamphetamine 3,4- Methylenedioxymethamphetamine (MDMA) (IR,2S) - (-) Ephedrine	10,000 2,500 2,500 5,000 1,000 50,000 1,000 50,000 85,000 85,000 4,000 8,500 1,500 85,000 1,500 85,000 1,500 85,000 1,500 85,000 1,500 85,000 250 250 250 200	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Promethazine d-Pseudoephedrine Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMAS0) IDMA) MINE (MET25) Procaine L-Phenylephrine Ephedrine MINE (MET50)	2,500 50,000 100,000 100 5,000 50,000 50,000 85,000 4,000 85,000 >100,00 >150,000 50,000 150,000
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Verylor-lore (Pethidine) Naloxone Naloxone Naloxone Naloxone Naloxone DDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine WETHYLENEDIO (±) 3,4-Methylenedioxyamphetamine in the state of the	10,000 2,500 2,500 5,000 1,000 50,000 1,000 50,000 4,000 150,000 4,000 1,500 15,000 4,000 1,500	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Promethazine d-Pseudoephedrine Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMA50) IDMA) MINE (MET25) Procaine L-Phenylephrine Ephedrine MINE (MET50) Procaine L-Phenylephrine Ephedrine Ephedrine	2,500 50,000 100,000 100 5,000 50,000 50,000 85,000 85,000 85,000 >100,00 0 85,000 85,000 85,000 85,000 85,000 150 85,000 150 85,000 150 85,000 150 85,000 150 85,000 150 85,000 150 85,000 150 150 150 150 150 150 150
Naloxone Naltrexone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Usymorphone Pheniramine Verynorphone Pheniramine Verynorphone Naloxone Naloxone Naloxone Naloxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Oxymorphone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Oxymorphone Pheniramine Oxymorphone Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxyamphetamine is 3,4-Methylenedioxyamphetamine is 4,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxyethylamphetamine is 3,4-Methylenedioxymethamphetamine is 3,4-Methylenedio	10,000 2,500 2,500 5,000 1,000 50,000 1,000 50,000 85,000 85,000 85,000 15,000 85,000 15,000 85,000 15,000 4,000 85,000 1,500 85,000 1,	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine R(-)-Methamphetamine R(-)-Methamphetamine Rey-Indexine Pantoprazole Sodium hydromorphpne Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMA50) IDMA) MINE (MET25) Procaine L-Phenylephrine Ephedrine MINE (MET50) Procaine L-Phenylephrine	2,500 50,000 100,000 100 5,000 50,000 50,000 85,000 85,000 4,000 150 85,000 150 85,000 85,000 85,000 150 85,000 150 150 150 150 150 150 150
Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphone Pheniramine Ketamine(KET) (+/-)-Chlorpheniramine Levorphanol Meperidine (Pethidine) Naloxone Naltraxone EDDP (2-ethylidene-1,5-dimethyl- 3,3-diphenylpyrrolidine) Normorphine Oxymorphine Pheniramine METHYLENEDIO (±) 3,4-Methylenedioxymethamphetamine 4,3,4-Methylenedioxyamphetamine METH d-Methamphetamine 3,4-Methylenedioxyethylamphetamine (MDMA) (1R,2S) - (-) Ephedrine METH Methylenedioxymethamphetamine METH M-Methylenedioxymethamphetamine (MDMA) (1R,2S) - (-) Ephedrine	10,000 2,500 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 150,000 1	Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine (KET 50) Norketamine Promethazine d-Pseudoephedrine Promethazine d-Pseudoephedrine Phencyclidine Tetrahydrozoline Heroin (diacetylmorphine) Methamphetamine Hydrochride R(-)-Methamphetamine MPHETAMINE(MDMAS0) IDMA) MINE (MET25) Procaine L-Phenylephrine Ephedrine L-Phenylephrine Ephedrine L-Phenylephrine Ephedrine	2.500 50,000 100,000 100 5,000 50,000 50,000 85,000 4,000 85,000 150 85,000 85,000 85,000 85,000 85,000 150 85,000 8

40 Normorphine

52,500

Ethylmorphine	40	Nalorphine	75,000
Hydromorphine	150	Oxymorphone	37,500
lydrocodone	75	Thebaine	18,750
evorphanol	600	Diacetylmorphine (Heroin)	35
Oxycodone	45,000 OPIATES	6-Monoacetylmorphine	100
Morphine	40	Morphine 3-β-D-Glucuronide	70
Codeine	50	Normorphine	70,000
thylmorphine	50	Nalorphine	100,000
lydromorphine	200	Oxymorphone	50,000
lydrocodone	100	Thebaine	25,000
evorphanol	800	Diacetylmorphine (Heroin)	50
Oxycodone	60,000	6-Monoacetylmorphine	125
Iomhine	OPIATES 50		90
Morphine Codeine	65	Morphine 3-β-D-Glucuronide Normorphine	90,000
			>100,00
Ethylmorphine	65	Nalorphine	0
lydromorphine	250	Oxymorphone	65,000
lydrocodone	150	Thebaine	35,000
.evorphanol	1,000	Diacetylmorphine (Heroin)	65
Oxycodone	75,000 XYCODON	6-Monoacetylmorphine	150
	20	Codeine	25,000
Oxycodone Oxymorphone	40	Dihydrocodeine	6,250
evorphanol	10,000	Naloxone	5,000
lydrocodone	1,500	Naltrexone	5,000
lydromorphone	10,000	Thebaine	25,000
		DINE(PCP3)	
Phencyclidine	3		
		INE(PCP10)	
Phencyclidine	10 OBOVVBU	ENE/DDV20)	1
)-Propoxyphene		ENE(PPX30)	30
		D-Norpropoxyphene ENE(PPX50)	30
)-Propoxyphene	50	D-Norpropoxyphene	50
		JUANA (SMA25)	100
WH-018 5-Pentanoic acid	25	MAM2201 N-Pentanoic acid	35
WH-073 4-Butanoic acid	25	JWH-210 N-5-Carboxypentyl	210
WH-018 4-Hydroxypentyl	210	JWH-398 N-Pentanoic acid	175
WH-018 5-Hydroxypentyl	300	JWH-200 6-Hydroxyindole	300
WH-073 4-Hydroxybutyl	170	JWH-073 N-2-Hydroxybutyl	500
WH-018 N-Propanoic acid	20	JWH-019 5-Hydroxyhexyl	500
WH-019 6-Hydroxyhexyl	500 500	JWH-018	42,000 350
WH-122 N-4-Hydroxypentyl RCS4 N-5-Carboxypentyl	22,500	AM2201 N-(4-hydroxypentyl) JWH-073 N-(3-hydroxybutyl)	225
		JUANA (SMA30)	ILLU
WH-018 5-Pentanoic acid	30	MAM2201 N-Pentanoic acid	45
WH-073 4-Butanoic acid	30	JWH-210 N-5-Carboxypentyl	300
WH-018 4-Hydroxypentyl	300	JWH-398 N-Pentanoic acid	210
WH-018 5-Hydroxypentyl	350	JWH-200 6-Hydroxyindole	360
WH-073 4-Hydroxybutyl	200	JWH-073 N-2-Hydroxybutyl	600
WH-018 N-Propanoic acid	25	JWH-019 5-Hydroxyhexyl	600
WH-019 6-Hydroxyhexyl	600	JWH-018	50,000
WH-122 N-4-Hydroxypentyl RCS4 N-5-Carboxypentyl	27,000	AM2201 N-(4-hydroxypentyl) JWH-073 N-(3-hydroxybutyl)	420 270
		K2+(AB-Pinaca)(SMP)	270
B-PINACA pentanoic acid		AB-PINACA N-(4-hydroxypentyl)	1
netabolite	10	metabolite	10
DB-PINACA N-(4-hydroxypentyl)		ADB-PINACA N-(5-hydroxypentyl)	
netabolite	15	metabolite	20
-fluoro AB-PINACA N-(4-	20	ADB-PINACA pentanoic acid	20
ydroxypentyl) B-PINACA N-(5-hydroxypentyl)	20	metabolite	20
netabolite	30	5-fluoro AB-PINACA	50
B-PINACA	100	AB-FUBINACA	150
-fluoro ADB-PINACA	250	5-chloro AB-PINACA	1000
ı	MARIJUAN.	A (THC15)	
9 -THC	15	11- nor -Δ 9-THC-9 COOH	12.5
annabinol	20,000	(-)∆ 8 -THC	100
⊦/-)-11-Hydroxy-Δ 9-THC	400	(±)Δ 8 -THC	40
.9 -THC	40	A (THC40) 11- nor -Δ 9-THC-9 COOH	32
annabinol	40,000	(-)Δ 8 -THC	250
⊦/-)-11-Hydroxy-Δ 9-THC	800	(±)Δ8-THC	80
	MARIJUAN		-
9 -THC	50	11- nor -Δ 9-THC-9 COOH	40
annabinol	5,000	(-)∆ 8 -THC	300
⊦/-)-11-Hydroxy-Δ 9-THC	1,000	(±)Δ 8 -THC	100
	TRAMADO		lor
is-tramadol	50	n-Desmethyl-cis-tramadol	25
rocyclidine ,I-O-Desmethyl venlafaxine	5,000 25,000	Phencyclidine o-Desmethyl-cis-tramadol	10,000 2,500
, o beamony venadane	TRAMADO		۵,500
	30	n-Desmethyl-cis-tramadol	15
iis-tramadol		Phencyclidine	6,000
	3,000	i nencycliaine	
Procyclidine		o-Desmethyl-cis-tramadol	1,500
rocyclidine ,I-O-Desmethyl venlafaxine	3,000 15,000 ZOPICLON	o-Desmethyl-cis-tramadol	1,500
rocyclidine ,I-O-Desmethyl venlafaxine opiclone	3,000 15,000 ZOPICLON 20	o-Desmethyl-cis-tramadol E(ZOP20)	1,500
Copicione 6-MONO	3,000 15,000 ZOPICLON 20 ACETYLMO	o-Desmethyl-cis-tramadol E(ZOP20) RPHINE(6-MAM 3)	
procyclidine J-O-Desmethyl venlafaxine opicione 6-MONO -Monoacetylmorphine	3,000 15,000 ZOPICLON 20 ACETYLMO 3	o-Desmethyl-cis-tramadol E(ZOP20) IRPHINE(6-MAM 3) Diacetylmorphine(herion)	10
rocyclidine I-O-Desmethyl venlafaxine opicione 6-MONO Monoacetylmorphine 6-MONO	3,000 15,000 ZOPICLON 20 ACETYLMO	o-Desmethyl-cis-tramadol E(ZOP20) IRPHINE(6-MAM 3) Diacetylmorphine(herion) RPHINE(6-MAM 5)	10
rocyclidine J-O-Desmethyl venlafaxine opicione 6-MONO -Monoacetylmorphine 6-MONO -Monoacetylmorphine	3,000 15,000 20PICLON 20 ACETYLMO 3 ACETYLMO 5	o-Desmethyl-cis-tramadol E(ZOP20) IRPHINE(6-MAM 3) Diacetylmorphine(herion)	

Strong oxidizers Ascorbic acid Tannic acid Polyphenolic compopunds Uric acid

Mercaptans Bilirubin Oxalic acid

These compounds don't exist in saliva usually, and may not interfere with the test.

Cross-Reactivity

A study was conducted to determine the cross-reactivity of the test with compounds spiked into drug-free PBS stock. The following compounds demonstrated no false positive results on The Multi-Drug Rapid Test Cup when tested with at concentrations up to 10 µg/mL.

Acetaminophen

Acetophenetidin

N-Acetylprocainamide

Acetophenetidin Acetylsalicylic acid Aminopyrine Amoxicillin Ampicillin I-Ascorbic acid Aspartame Atropine Benzilic acid Benzoic acid

d/l-Brompheniramine Caffeine Chloral-hydrate Chloramphenicol Chlorothiazide Cortisone Chlorpromazine Chloroquine Cholesterol Creatinine Deoxycortico Diclofenac Diflunisal Digoxin Diphenhydramine I(-)-Epinephrine Erythromycin β-Estradiol Ethyl-p-Estrone-3-sulfate Fenoprofen aminobenzoate Gentisic acid p-Hydroxytyramine o-Hydroxyhippuric Hydrochlorothiazide Hydrocortisone

d/l-Isoproterenol Isoxsuprine Ketoprofen Labetalol I operamide Meprobamate Methylphenidate Nalidixic acid Naproxen Niacinamide Norethindrone Nifedipine d/I-Octopamine Oxalic acid Oxymetazoline Penicillin-G Phenelzine Phenylpropanolamine Trans-2-phenylcyclopropylamine Prednisolone Prednisone d/I-Propranolol d-Pseudoephedrine

Quinine

Ranitidina

Serotonin Salicylic acid Sulfamethazine Sulindac
Tetrahydrocortisone3-(β-D-Tetracycline Tetrahydrocortisone 3-acetate Thiamine Tolbutamide alucuronide) Trifluoperazine d/l-Tryptophan Tyramine d/I-Tyrosine Uric acid

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Ibuprofen

Iproniazid

Ouindine

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 Gray, T, et al, "Methadone Disposition in Oral Fluid during Pharmacotherapy for Opioid-Dependence," Forensic Scilnt, 2011, March 20; 206(1-3): 98-102.
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Index of Symbols								
[]i	Consult Instruction for use	Σ	Tests per kit		EC REP	Authorized Representative		
IVD	For in vitro diagnostic use only		Use by		2	Do not reuse		
210 1100	Store between 2-30°C	LOT	Lot Number		REF	Catalog #		
®	Do not use if package is damaged							



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2/2