

Rapid Multi-drug Test Cup

Instruction of use for testing of the following drugs: AMP/BAR/BUP/BZO/ COC/ ETG/FYL /MDMA/MET/MTD /MOP/OPI/OXY/PCP / PPX/THC

Rapid Multi-drug Test Cup is a rapid, screening test for the qualitative detection of multiple drugs and drug metabolites in human urine at specified cut off levels. For Forensic use only. For in vitro diagnostic use only.

INTENDED USE

Rapid Multi-drug Test Cup is an immuno-chromatographic assay for the qualitative determination of the presence of drugs listed in the table below.

Drug(Identifier)	Calibrator	Cut-off level
Amphetamine (AMP)	d-Amphetamine	500ng/mL
Amphetamine (AMP)	d-Amphetamine	1000ng/mL
Barbiturates (BAR)	Secobarbital	300 ng/mL
Buprenorphine(BUP)	Buprenorphine	10 ng/mL
Benzodiazepines (BZO)	Oxazepam	200 ng/mL
Benzodiazepines (BZO)	Oxazepam	300 ng/mL
Cocaine /COC	Benzoylecgonine	150 ng/mL
Cocaine /COC	Benzoylecgonine	300 ng/mL
Ethylglucuronide /ETG	Ethyl -glucuronide	300 ng/mL
Ethylglucuronide /ETG	Ethyl -glucuronide	500 ng/mL
Fentanyl/FYL	Fentanyl	200 ng/mL
Methylenedioxymethamphe tamine - ecstasy (MDMA)	3,4-Methylenedioxymetham phetamine HCI (MDMA)	500 ng/mL
Methamphetamine (MET)	d-Methamphetamine	300ng/mL
Methamphetamine (MET)	d-Methamphetamine	500ng/mL
Methamphetamine (MET)	d-Methamphetamine	1000ng/mL
Methadone (MTD)	Methadone	300 ng/mL
Morphine 300 (MOP)	Morphine	300ng/mL
Morphine 2000 (OPI)	Morphine	2000ng/mL
Oxycodone (OXY)	Oxycodone	100 ng/mL
Phencyclidine (PCP)	Phencyclidine	25 ng/mL
Propoxyphene(PPX)	Propoxyphene	300 ng/mL
Marijuana (THC)	11-nor-Δ9-THC-9-COOH	25 ng/mL
Marijuana (THC)	11-nor-Δ9-THC-9-COOH	50 ng/mL

The test you purchased may test for drugs listed in the table above. This assay provides only a preliminary analytical test 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.

Amphetamine (AMP)

Amphetamine (AMP)
Amphetamine and the structurally related "designer" drugs are sympathomimetic amines whose biological effects include potent central nervous system (CNS) stimulation, anorectic, hyperthemic, and cardiovascular properties. They are usually taken orally, intraveneously, or by smoking. Amphetamines are readily absorbed from the gastrointestinal tract and are then either deactivated by the liver or excreted unchanged in the urine. Methamphetamine is partially metabolized to amphetamine and its major active metabolite. Amphetamines increase the heart rate and blood pressure, and suppress the appetite. Some studies indicate that heavy abuse may result in permanent damage to certain essential nerve structural in the brain. 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 it can be detected in the urine for 1 to 2 days after use.

Barbiturates (BAR)

Barbiturates (BAK)
Barbiturates are central nervous system depressants. They are usually administered orally but are sometimes injected intramuscularly and intravenously. Barbiturates range from short-acting (approximately 15 minutes, such as secobarbital) to long-acting (24 hours or longer, such as Phenobarbital). Short-acting barbiturates are extensively metabolized in the body, while the long-acting ones are secreted primarily unchanged. Barbiturates produce alertness, wakefulness, increased energy, reduced hunger, and an overall feeling of well being. Large doses of Barbiturate could develop tolerance and physiological dependency and

Buprenorphine(BUP)

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 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 but demonstrates a lower level of physical to 20 ng/ml in abuse situations. 3 The plasma half life of Buprenorphine in urine may be less than 1 ng/ml after therapeutic administration, but can range up to 20 ng/ml in abuse situations. 3 The plasma half life of Buprenorphine is 2-4 hours. 3 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.

Benzodiazepines (BZO)
Benzodiazepines are a class of drugs that are often therapeutically used as anxiolytics, anti-convulsants and sedative hypnotics. Benzodiazepines manifest their presence by analgesia, drowsiness, confusion, diminished reflexes, lowering of body temperature, respiratory depression, blockade of adrenocortical response, and a decrease in peripheral resistance without an impact on the cardiac index. The major pathways of elimination are the kidneys (urine) and the liver where it is conjugated to glucuronic acid. Large doses of Benzodiazepines could develop tolerances and physiological dependency and lead to its abuse. Only trace amounts (less than 1%) of Benzodiazepines are excreted unaltered in the urine, most of Benzodiazepines in urine is conjugated drug. Oxazepam, a common metabolite of many benzodiazepines, remains detectable in urine for up to one week, which makes Oxazepam a useful marker of Benzodiazepines

Cocaine (COC)

Cocaine (COC)

Cocaine derived from leaves of coca plant, is a potent central nervous system stimulant and a local anesthetic. Among the psychological effects induced by using cocaine are euphoria, confidence and a sense of increased energy, accompanied by increased heart rate, dilation of the pupils, fever, tremors and sweating. Cocaine is excreted in urine primarily as benzoylecgonine in a short period of time.

Ethylglucuronide (ETG)
Ethyl Glucuronide (EtG) is a direct metabolite of alcohol. Presence in urine may be used to detect recent alcohol intake, even after alcohol is no longer measurable. Traditional laboratory methods detect the actual alcohol in the body, which reflects current intake within the past few hours (depending on how much was consumed). The presence of EtG in urine is a definitive indicator that it can be detected in the urine for 3 to 4 days after drinking alcohol, even alcohol test can aid in the diagnosis of drunk driving and alcoholism, which has important significance in the forensic identification and medical examination.

Fentany! (FYL)

Fentanyl is a potent, synthetic narcotic analgesic with a rapid onset and short duration of action. It is a strong agonist at the µ-opioid receptors. Historically it has been used to treat breakthrough pain and is commonly used in pre-procedures as a pain reliever as well as an anesthetic in combination with a benzodiazepine. It is approximately 80 to 100 times more potent than morphine and roughly 15 to 20 times more potent than heroin.

Methylenedioxymethamphetamine - ecstasy (MDMA)
MDMA belongs to a family of man-made drugs. Its relatives include MDA (methylenedioxyamphetamine), and MDEA (methylenedioxyethylamphet amine). They all share the amphetamine-like effects. MDMA is a stimulant with hallucinogenic tendencies described as an empathogen as it releases mood-altering chemicals, byperthermia, anxiety, paranoia and insomnia. MDMA is administered either by oral ingestion or intravenous injection. The effects of MDMA begin 30 minutes

Methamphetamine (MET)

Methamphetamine (MET)
Methamphetamine is a potent sympathomimetic agent with therapeutic applications. Acute higher doses lead to enhanced stimulation of the central nervous system and induce euphoria, alertness, and a sense of increased energy and power. More acute responses produce anxiety, paranoia, psychotic behavior, and cardiac dysrhythmias. The pattern of psychosis which may appear at half-life of about 15 hours is excreted in urine as amphetamine and oxidized as deaminated and hydroxylated derivatives. However, 40% of methamphetamine is excreted unchanged. Thus the presence of the parent compound in the urine

Methadone (MTD)

Methadone (MTD)
Methadone is a narcotic analgesic prescribed for the management of moderate to severe pain and for the treatment of opiate dependence (Heroin, Vicodin, Percocet, Morphine). It is administered either orally, or by intravenous or intra-muscular injection. The duration of effect of methadone is 12 – 24 hours. Its major urinary excretion products are methadone, EDDP(2-ethylidene-1,5-dimethyl-3,3-diphenylpryrolidine), and EMDP (2- ethyl-5-methy -3, 3-diphenylpyrrolidine).

Morphine(MOP300)
Opiates refer 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. Opiates exert their effects on the central nervous system and organs containing smooth muscle. Opiates manifest their presence by analgesia, drowsiness, euphoria, lowering of body temperature, respiratory depression, blockade of adrenocortical response. The major pathways of elimination are kidneys (urine) and the liver where it is conjugated to glucuronic acid. Opiates and their metabolites can be detected in urine as result of heroin, morphine, codeine or poppy seed intake. One Step Multi-drug Test Cup yields a positive result when the concentration of Opiates in urine exceeds 300ng/mL.

Morphine (OPI2000)

Morphine (OPIZUOU)
Opiates refer 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. Opiates exert their effects on the central nervous system and organs containing smooth muscle. Opiates manifest their presence by analgesia, drowsiness, euphoria, lowering of body temperature, respiratory depression, blockade of adrenocortical response. The major pathways of elimination are kidneys (urine) and the liver where it is conjugated to glucuronic acid. Opiates and their metabolites can be detected in urine as result of heroin, morphine,

Oxycodone (OXY)

Oxycodone (OXY)
Oxycodone is an analgesic, which works by depressing the central nervous system. Oxycodone is abused for its opiate-like effects. In addition to its equal potency to morphine in analgesic effects, it is also equipotent to morphine in relieving abstinence symptoms from chronic opiate (heroin, morphine) use. For this reason, it is often used to alleviate or prevent the onset of opiate withdrawal by street users of heroin and methadone. The drug is most often administered orally. Like other opiates, Oxycodone can also depress the respiratory system resulting in suffocation and death when overdosed. Oxycodone is very addictive, both physically and psychologically. Some physical indications of Oxycodone abuse include extreme loss of appetite and weight, cramps, nausea, vomiting, excessive scratching and complaint of itching, excessive sweating, constipation, pin-point pupils and watery eyes, reduced vision, drowsiness, euphoria, trance-like states, excessive thirst, tremors, twitching, irritability, hallucinations and lethargy.

Phencyclidine (PCP)

Phencyclidine (PCP)
Phencyclidine, commonly known as PCP or "angel dust" is used primarily as recreational drug due to its hallucinogenic effects. It is generally self-administered by intravenous injection or by inhalation and concentrates fastest in fatty tissues and the brain. The effects of PCP are very much dose related. Small amounts of Phencyclidines (PCP) are central nervous system stimulants that produce alertness, wakefulness, increased energy, increased heat rate, and decreased sense of pain and touch, and an overall feeling of well being. Large doses of Phencyclidine (PCP) can result in death due to convulsions, heart and lung failure urine within 4 to 6 hours after use and will remain in urine for 7 to 14 days. Phencyclidine is excreted in the urine as an unchanged drug (4% to 19%) and

Propoxyphene(PPX)

Propoxyphene is a prescription drug for the relief of pain. Overdose of propoxyphene can have the symptoms including analgesia, stupor, respiratory depression and coma. The half-life of propoxyphene is 8 to 24 hours. Propoxyphene reaches its peak in 1 to 2 hours after oral administration.

Marijuana (1 HC)
Marijuana is a hallucinogenic agent derived from the flowering portion of the hemp plant. The active ingredients in Cannabinoids, THC & Cannabinol can be metabolized and excreted as 11-nor-Δ9-tetrahydro cannabinol-9-carboxylic acid with a half-life of 24 hours. It can be detected for 1 to 5 days after use. Smoking is the primary method of use of Cannabinoids/cannabis. Higher doses used by abusers produce central nervous system effects, altered mood and sensory perceptions, loss of coordination, impaired short-term memory, anxiety, paranoia, depression, confusion, hallucinations and increased heart rate. A tolerance to the cardiac and psychotropic effects can occur, and withdrawal syndrome produces restlessness, insomnia, anorexia and nausea.

PRINCIPLE

Rapid Multi-drug Test Cup is a competitive immunoassay that is used to screen for the presence of various drugs and drug metabolites in urine. It is chromatographic absorbent device in which, drugs within a urine sample, competitively combined to a limited number of drug monoclonal antibody (mouse)

When the test is activated, the urine is absorbed into each test strip by capillary action, mixes with the respective drug monoclonal antibody conjugate, and flows across a pre-coated membrane. When drug within the urine sample is below the detection level of the test, respective drug monoclonal antibody conjugate binds to the respective drug-protein conjugate immobilized in the Test Region (T) of the test strip. This produces a colored Test line in the Test Region (T) of the test strip, which, regardless of its intensity, indicates a negative test result.

When sample drug levels are at or above the detection level of the test, the free drug in the sample binds to the respective drug monoclonal antibody conjugate, preventing the respective drug monoclonal antibody conjugate from binding to the respective drug-protein conjugate immobilized in the Test Region (T) of the device. This prevents the development of a distinct colored band in the test region, indicating a preliminary positive result.

To serve as a procedure control, a colored line will appear at the Control Region (C), of each strip, if the test has been performed properly.

WARNINGS AND PRECAUTIONS

- Immunoassay for in vitro diagnostic use only.
 Do not use after expiration date.
- The test Cup should remain in the sealed pouch until use.
- The used test Cup should be discarded according to local regulations.

CONTENTS OF THE KITS

- Drug Test Cup.
- Desiccant
- Leaflet with instruction for use.

ADDITIONAL REQUIREMENTS

- Timer (watch or clock)
- External controls

- STORAGE AND STABILITY
 Store at 39 ~ 86 °F (4 ~ 30 °C) in the sealed pouch up to the expiration date.
 DO NOT FREEZE.
- · Keep away from direct sunlight, moisture and heat.

SPECIMEN COLLECTION AND PREPARATION

- SPECIMEN COLLECTION AND PREPARATION

 Collect urine sample with a clean, dry container. Urine collected at any time of the day may be used.

 For best results, test specimens immediately following collection.

 Urine specimens may be refrigerated (2-8°C) and stored up to forty-eight hours. For longer storage, freeze the samples (-20°C or below).

Bring frozen or refrigerated samples to room temperature before testing.

HOW TO PERFORM THE TEST?

HOW TO PERFORM THE TEST?
Test must be in room temperature (15°C to 30°C)
1. After the urine has been collected, tighten lid to the indicator, and place the test cup on a flat surface.
2. Read temperature immediately to verify that urine temperature is within the acceptable range, 90 – 100°F (32 – 38°C)
3. Peel off label and read the results. The drug test results should be read at 5 minutes. The drug test results remain stable for up to thirty minutes.

REANDING THE RESULTS

Preliminary positive (+)
A rose-pink band is visible in each control region. If no color band appears in the appropriate test "T" region, a preliminary positive result is indicated for the corresponding drug of that specific test zone

Control Line-

Test Line

Negative (-)

Negative (-)

If a rose-pink band is visible in each control region and the appropriate test "T" region, it indicates that the concentration of the corresponding drug of that specific test zone is absent or below the detection limit of the test.

If a color band is not visible in the control "C" region or a color band is only visible in the test is invalid. Another test should opened and run to re-evaluate the specimen. If test still provides an invalid result, please contact the distributor from whom you purchased the product. When calling, be sure to provide the lot number for the test.

Note: There is no meaning attributed to line color intensity or width. Any visible line is considered to be a line.

Certain lines may appear lighter or thinner than other lines. ANY COLORED LINE VISIBLE IN THE TEST "T" REGION, NO MATTER HOW DARK OR FAINT, SHOULD BE INTERPRETED AS A NEAGATIVE RESULT.

IMPORTANT: This assay provides only a preliminary analytical test result. A more specific alternative chemical method must be used in order to obtain a confirmed analytical result. GC/MS is the preferred confirmatory method. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Clinical consideration and professional judgment should be applied to any drug test result, particularly when preliminary positive results are indicated.

The definition of a false positive test would be an instance where a substance is identified incorrectly by Rapid Multi-drug Test Cup. The most common causes of a false positive test are cross reactants. Certain foods and medicines, diet plan drugs and nutritional supplements may cause a false positive test result with this

What Is A False Negative Test?

The definition of a false negative test is that the initial drug is present but isn't detected by Rapid Multi-drug Test Cup. Diluted or adulterated urine specimens may cause a false negative result.

TEST LIMITATIONS

1. This test has been developed for testing urine samples only. No other fluids have been evaluated. DO NOT use this device to test substances other than

2. There is a possibility that technical or procedural errors, as well as interfering substances in the urine specimen may cause erroneous results.

3. Adulterated urine samples may produce erroneous results. Strong oxidizing agents such as bleach (hypochlorite) can oxidize drug analyte. If a sample is suspected of being adulterated, obtain a new sample in a different, unused, cup.

4. This test is a qualitative screening assay. It is not designed to determine the quantitative concentration of drugs or the level of intoxication.

5. A positive result does not indicate level or intoxication, administration route or concentration in urine.

6. 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.

QUALITY CONTROL

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

Control standards are not supplied with this kit. However, it is recommended that positive and negative controls be tested as good laboratory practice to confirm the test procedure and to verify proper test performance. Quality control should be run with each new lot, and every 30 days to check storage stability. Positive and negative control should give the expected results.

Users can commercially obtain control materials (For example from Sigma-Aldrich Corporation). The concentration of drug(s) in positive and negative controls are approximately 50% above and below the cutoff concentration of the assay.

PERFORMANCE CHARACTERISTICS

Specificity and cross reactivity

To test the specificity and cross reactivity of the test, the test device was used to test various drugs, drug metabolites and other components of the same class that are likely to be present in urine. All the components were added to drug-free normal human urine. The following structurally related compounds produced positive results with the test when tested at levels equal to or greater than the concentrations listed below.

Compound	Response equivalent to cutoff in ng/mL	Compound	Response equivalent to cutoff in ng/mL
AMP (500 ng/mL)		Ethyl-β-D-glucuronide-D5	300
d-Amphetamin	500	ETG (500 ng/mL)	
d.l-Amphetamine	1,250	Ethyl-β-D-glucuronide	500
1-Amphetamine	25,000	Ethyl-β-D-glucuronide-D5	500
(+/-) 3,4-methylenedioxyamphetamine (MDA)	1,000	FYL (200 ng/mL)	
AMP (1000 ng/mL)		Fentanyl	200
d-Amphetamin	1,000	MDMA (500 ng/mL)	
d.l-Amphetamine	2,500	D-Amphetamine	>100000
1-Amphetamine	50,000	(+/-)3,4-Methylenedioxymethamphetamine (MDMA)	500
(+/-) 3,4-methylenedioxyamphetamine (MDA)	2,000	3,4-methylenedioxyamphetamine (MDA)	2200
BAR (300 ng/mL)		3,4-Methylenedioxyethylamphetamine (MDEA)	240
Secobarbital	300	MET (300 ng/mL)	
Amobarbital	500	D(+)-Methamphetamine	300
Alphenol	150	L(-)-Methamphetamine	2,400
Aprobarbital	200	(+/-)3,4-methylenedioxumethamphetamine(MDMA)	600
Butabarbital	75	p-hydroxymethamphetamine	9,000
Butalbital	1,500	3,4-Methylenedioxyethylamphetamine(MDE A)	3,000
Butethal	100	MET (500 ng/mL)	
Cyclopentobarbital	600	D(+)-Methamphetamine	500
Pentobarbital	700	L(-)-Methamphetamine	4,000
Phenobarbital	300	(+/-)3,4-methylenedioxumethamphetamine(MDMA)	1,000

BUP (10 ng/mL)	10	p-hydroxymethamphetamine	15,000
Buprenorphine Norbuprenorphine	20	3,4-Methylenedioxyethylamphetamine/MDEA)	5,000
Buprenorphine 3-D-glucuronide	15	WET (1000 na/ml)	
Norbuprenorphine 3-D-glucuronide	200	D(+)-Methamphetamine	1,000
	200	L(-)-Methamphetamine	8,000
BZO (200 ng/mL)	200	(+/-)3,4-methylenedioxumethamphetamine(MDMA)	2,000
Oxazepam		p-hydroxymethamphetamine	30,000
Alprazolam	135	3,4-Methylenedioxyethylamphetamine(MDE A)	10,000
α-Hydroxyalprazolam	735	MTD (300 ng/mL)	
Bromazepam	665	Methadone	300
Chlordiazepoxide	1335	(±)2-Ethy1-1,5-dimethy1-3,3-diphenylpyrroli	50000
Clobazam	65	Doxylamine	50000
Clonazepam	535	MOP (300 ng/mL)	30000
Clorazepate	135	Morphine	300
Delorazepam	1065	Codeine	300
Diazepam	135	Hydrocodone	2.250
Estazolam	665	Hydromorphine	1,500
Flunitrazepam	235	6-Monoacetylmorphine	750
Lorazepam	800	Morphine 3-b-D-glucuronide	300
Midazolam	1665	OPI (2000 na/mL)	1000
Nitrazepam	65	Morphine	2,000
Nordiazepam	265	Codeine	2,000
Temazepam	80	Hydrocodone	15,000
Triazolam	665	Hydromorphine	10,000
BZO (300 ng/mL)		6-Monoacetylmorphine	5,000
Oxazepam	300	Morphine 3-b-D-glucuronide	2,000
Alprazolam	200	OXY (100 ng/mL)	2,000
α-Hydroxyalprazolam	1100	Oxycodone	100
Bromazepam	1000	Naloxone	50000
Chlordiazepoxide	2000	Naltrexone	
Clobazam	100	Morphine 3-β-D-glucuronide	50000
Clonazepam	800	Hydrocodone	50000
Clorazepate	200		3000
Delorazepam	1600	Hydromorphone	75000
Diazepam	200	Oxymorphone PCP (25 ng/mL)	1000
Estazolam	1000		05
Flunitrazepam	350	Phencyclidine 4 Hydroxyphonoveliding	25
Lorazepam	1200	4-Hydroxyphencyclidine PPX (300 ng/mL)	15000
Midazolam	2500	d-Propoxyphene	200
Nitrazepam	100	d-Norpropoxyphene	300
Nordiazepam	400	THC (25 ng/mL)	300
Temazepam	120	11-nor-Δ9-THC-9-COOH	25
Triazolam	1000	11-nor-Δ8-THC-9-COOH	25
COC (150 ng/mL)	1000		
Benzoylecgonine	150	Δ8- Tetrahydrocannabinol Δ9- Tetrahydrocannabinol	5,000
Cocaine	400	Cannabinol	7,500
Cocaethylene	6,250	Cannabidiol	10,000
Ecgonine HCI	17,500		>100,000
COC (300 ng/mL)	17,500	THC (50 ng/mL)	- 50
	300	11-nor-Δ9-THC-9-COOH	50
	800	11-nor-Δ8-THC-9-COOH	50
Benzoylecgonine		Δ8- Tetrahydrocannabinol	10.000
Cocaine			
Cocaine Cocaethylene	12,500	Δ9- Tetrahydrocannabinol	15,000
Cocaine			

Interfering substances
Clinical urine samples may contain substances that could potentially interfere with the test. The following compounds were added to drug-free urine urine with the concentration 50% below and above the cutoff, respectively. All potential interfering substances were added at a concentration of 100µg/mL. The urine specimens were tested with the test device. None of the urine samples showed any deviation from the expected results.

Acetaminophen	Chlorothiazide	Estrone-3-sulfate	Isoxsuprine	d,I-Octopamine	Salicylic acid
Acetophenetidin	Chlorpheniramine	Ethyl-p-aminobenzoate	Ketamine	Oxalic acid	Serotonin
Amoxicillin	d,I-Chlorpromazine	Erythromycin	Ketoprofen	Oxolinic acid	Sulfamethazine
Ampicillin	Cholesterol	Fenoprofen	Labetalol	Oxymetazoline	Sulindac
Aspirin	Clonidine	Flucloxacillin	Lisinopril	Oxytetracycline	Tetracycline
Atenolol	Cimetidine	Fluoxetine	Loperamide	Papaverine	
Atorvastatin	Citalopram	Furosemide	Meperidine	Penicillin-G	Tetrahydrozoline
Azlocillin	Cortisone	Gentisic acid	Meprobamate	Pentazocine	Thiamine
Benzilic acid	Creatinine	Hemoglobin	Methoxyphenamine	Perphenazine	Thioridazine
Benzylpenicillin	Deoxycorticosterone	Hydralazine	Methylphenidate	Phenelzine	d, I-Thyroxine
Benzoic acid	Dexamethasone	Hydrochlorothiazide	Nadolol	Prednisolone	Tolbutamine
Bilirubin	Dextromethorphan	Hydrocortisone	Nalidixic acid	Prednisoione	Tolbutamide
Benzydamine	Diclofenac	o-Hydroxyhippuric acid	Naproxen	d,i-Propanolol	Trifluoperazine
Caffeine	Diflunisal	p-Hydroxytyramine	Niacinamide		Tryptamine
Carbamazepine	Digoxin	Ibuprofen	Nicotine	d-Pseudoephedrine	Uric acid
Cephalexin	Diphenhydramine	Indomethacin	Nifedipine	Quinacrine	Verapamil
Chloralhydrate	Ephedrine	Iproniazid	Norethindrone	Quinine	Zomepirac
Chloramphenicol	β-Estradiol	d,l-Isoproterenol	Noscapine	Quindine Ranitidine	

Effect of Urinary Specific Gravity

The specific gravity studies were conducted on different specific gravity including 1.002,1.010, 1.020, 1.030, 1.040 specimens with drug free urine or drug positive urine with the concentration at 50% below and 50% above cutoff level. Each sample was tested by the test device. The results demonstrate that varying ranges of urinary specific gravity do not affect the test result.

Effect of Urinary pH.

The pH of an aliquot negative urine pool is adjusted to a pH range of 3 to 9 in 1 ph unit increments and spiked with each drug at 50% below and 50% above cutoff levels. Each sample was tested by the test device. The result demonstrate that varying ranged of pH do not interfere with the performance of the test.

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APPLICABLE STANDARDS
Draft Guidance for Industry and FDA Staff:Premarket Submission and Labeling Recommendations for Drugs of Abuse Screening Tests EN ISO 18113-1:2011, EN ISO 18113-2:2011, EN ISO 13612:2002, EN ISO 13640:2002.

MANUFACTURED BY

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INDEX OF SYMBOLS

		11.	
(i	Consult instructions for use	淡	Keep away from sunlight
IVD	In vitro diagnostic medical device	*	Keep dry
ec Surc	Store between 4 ~ 30 ℃	(2)	Do not reuse

P/N: 191001 Rev.10.2019