



PRODUCT CODE RT011

INTENDED USE:

The One Step Drug of Abuse Test is a lateral flow chromatographic immunoassay for the qualitative detection of multiple drugs (THC, COC, OPI, AMP, PCP, MAMP, BZO, BAR, MTD, TCA) and drug metabolites in urine at the following cut-off concentrations:

Test	Calibrator	Cut-off (ng/ml)
Amphetamine (AMP 1000)	D-Amphetamine	1,000 ng/mL
Amphetamine (AMP 500)	D-Amphetamine	500 ng/mL
Amphetamine (AMP 300)	D-Amphetamine	300 ng/mL
Barbiturates (BAR)	Secobarbital	300 ng/mL
Benzodiazepines (BZO)	Oxazepam	300 ng/mL
Benzodiazepines (BZO)	Oxazepam	200 ng/mL
Cocaine (COC 300)	Benzoylecgonine	300 ng/mL
Cocaine (COC 150)	Benzoylecgonine	150 ng/mL
Marijuana (THC 50)	11-nor-Δ9 -THC-	50 ng/mL
	9 COOH	
Marijuana (THC 20)	11-nor-Δ9 -THC-	20 ng/mL
	9 COOH	
Methadone (MTD)	Methadone	300 ng/mL
Methamphetamine (MAMP	D-	1,000 ng/mL
1000)	Methamphetamine	
Methamphetamine (MAMP	D-	500 ng/mL
500)	Methamphetamine	
Methamphetamine (MAMP	D-	300 ng/mL
300)	Methamphetamine	
Phencyclidine (PCP)	Phencyclidine	25 ng/mL
Tricyclic Antidepressants	Nortriptyline	1,000 ng/mL
(TCA)		
Opiate 2000 (OPI 2000)	Morphine	2,000 ng/mL

This assay provides only a preliminary qualitative test result. Use a more specific alternate quantitative analytical method to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method.1 Apply clinical and professional judgment to any drug of abuse test result, particularly when preliminary positive results are obtained

PRINCIPLE:

The One Step Drug of Abuse Test is an immunoassay based on the principle of competitive binding. Drugs which may be present in the urine specimen compete against their respective drug conjugate for binding sites on their specific antibody. During testing, a urine specimen migrates upward by capillary action. A drug, if present in the urine specimen below its cut-off concentration, will not saturate the binding sites of its specific antibody. The antibody will then react with the drug-protein conjugate and a visible colored line will show up in the test line region of the specific drug strip. The presence of drug above the cut-off concentration will saturate all the binding sites of the antibody. Therefore, the colored line will not form in the test line region. A drug-positive urine specimen will not generate a colored line in the specific test line region of the strip because of drug competition, while a drug-negative urine 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.

MATERIALS SUPPLIED:

- 1. Test Devices 2. Desiccant 3. Package Insert
- 4. Color Chart Card for Adulterant Interpretation (when applicable)
- 5. Disposable specimen droppers (for test cassette only)

ADDITIONAL REQUIREMENTS:

- 1. Specimen collection container (for strip, cassette, discard)
- 2. Disposable gloves 3. Timer 4. Dropper (for strip, cassette)

STORAGE AND STABILITY:

Store as packaged in the sealed pouch at 2-30o C (36-86o F). The test is stable through the expiration date printed on the sealed pouch. The test device must remain in the sealed pouch until use. Do Not Freeze. Do not use beyond the expiration date

SPECIMEN AND SAMPLE PREPARATION:

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

Specimen Storage: Urine specimens may be stored at 2-8°C (36-46°F) for up to 48 hours prior to testing. For prolonged storage, specimens may be frozen and stored below -20°C. Frozen specimens should be thawed and mixed well before testing.

PRECATIONS:

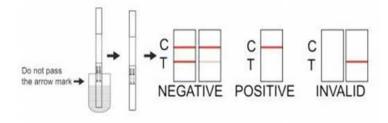
- 1. For medical and other professional in vitro diagnostic use only.
- 2. Do not use after the expiration date.
- 3. The test device should remain in the sealed pouch until use.
- 4. The test is for single use.
- While urine is not classified by OSHA or the CDC as a biological hazard unless visibly contaminated with blood,
- The use of gloves is recommended to avoid unnecessary contact with the specimen.
- The used test device and urine specimen should be discarded according to federal, state and local regulations.

PROCEDURE:

Allow the test device, and urine specimen to come to room temperature [15-30°C (59-86°F)] prior to testing.

(For Strip)

- Remove the strip from the foil wrapper or the desiccated container (bring the container to the room temperature before opening to avoid condensation of moisture in container). Label the strip with patient or control identifications.
- 2. Immerse the strip into the urine with the arrow end pointing toward the urine. Do not cover the urine over the MAX (maximum) line. You may leave the strip in the urine or you may take the strip out after a minimum of 15 seconds in the urine and lay the strip flatly on a nonabsorptive clean surface.
- 3. Read results at 5 minutes.
- *Note: Do Not Interpret Result After 10 Minutes.

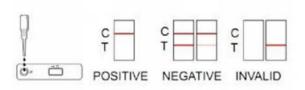


(For Cassette)

- 1.Remove the test device from its foil wrapper by tearing along the slice (bring the container to the room temperature before opening to avoid condensation of moisture in container). Label the device with patient or control identifications.
- 2. Using the specimen dropper, withdraw the urine sample from the specimen cup and slowly dispense 3 drops (approximately 120Ul) into the circular sample well, being careful not to overfill the absorbent pad.
- 3. Read results at 5 minutes.
- *Note: Do Not Interpret Result After 10 Minutes.

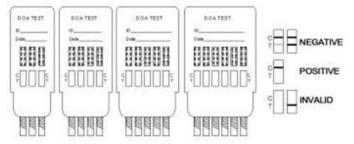






(For Dip card)

- 4. Remove the test device from the foil pouch.
- 5. Remove the cap from the test device. Label the device with patient or control identifications.
- Immerse the absorbent tip into the urine sample for about 10 seconds. Urine sample should not touch the plastic device.
- Replace the cap over the absorbent tip and lay the device flatly on a non-absorptive clean surface
- Read results at 5 minutes.
- *Note: Do Not Interpret Result After 10 Minutes.



RESULTS:

Negative: Two lines appear, one color line should be in the control region, and another apparent color line adjacent should be in the test region (T). This negative result indicates that the drug concentration is below the detectable level.

*Note: The shade of color in the test line region (T) will vary, but it should be considered negative whenever there is even a faint distinguishable color line. **Positive:** One color line appears in the control region (C). No line appears in the test region (T). This positive result indicates that the drug concentration is above the detectable level.

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 device. If the problem persists, discontinue using the lot immediately and contact your supplier.

QUALITY CONTROL:

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

LIMITATION:

- 1. The One Step Drug of Abuse Test provides only a qualitative, preliminary analytical result. A secondary analytical method must be used to obtain a confirmed result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method.
- 2. There is a possibility that technical or procedural errors, as well as other interfering substances in the urine specimen may cause erroneous results.
- 3. Adulterants, such as bleach and/or alum, in urine specimens may produce erroneous results regardless of the analytical method used. If adulteration is suspected, the test should be repeated with another urine specimen and a new test device.
- 4. A Positive result does not indicate intoxication of the donor, the concentration of drug in the urine, or the route of drug administration.

- 5. A Negative result may not necessarily indicate drug-free urine. Negative results can be obtained when drug is present but below the cut-off level of the
- 6. Test does not distinguish between drugs of abuse and certain medications.
- 7. A positive test result may be obtained from certain foods or food supple-
- 8. The adulterant tests included with the product are meant to aid in the determination of abnormal specimens, but may not cover all the possible adul-
- 9. Oxidants: Normal human urine should not contain oxidants. The presence of high level of antioxidants in the specimen, such as ascorbic acid, may result in false negative results for the oxidants pad.
- 10. Specific Gravity: Elevated levels of protein in urine may cause abnormally high specific gravity values.
- 11. Nitrite (NIT): Nitrite is not a normal component of human urine. However, nitrite found in urine may indicate urinary tract infections or bacterial infections. Nitrite levels of > 20 mg/Dl may produce false positive glutaralde-
- 12. Glutaraldehyde(GLU): Is not normally found in a urine specimen. However certain metabolic abnormalities such as ketoacidosis (fasting, uncontrolled diabetes or high-protein diets) may interfere with the test results.
- 13. Creatinine(CRE): Tests for the specimen for dilution and flushing. Normal creatinine levels are between 20 and 350 mg/Dl. Under rare conditions, certain kidney diseases may show dilute urine

PERFORMANCE CHARACTERISTICS:

In the Comparison Study, the One Step Drug of Abuse Tests were compared to a GC/MS reference method to determine its accuracy. Clinical urine samples were collected for each of the drug types of Cocaine, Benzodiazepine, Morphine, Oxycodone, Methadone, EDDP, Amphetamine, Barbiturates, Marijuana, Methamphetamine, MDMA, Opiate 2000, Phencyclidine, Buprenorphine and Tricyclic Antidepressants. Clinical specimens were quantified by GC/MS analysis before testing.

O C/ T/TD tillt	ijsis cerere testing.
Test	Compounds Contributed to the Totals of GC/MS
AMP	Amphetamine
BAR	Secobarbital
BZO	Oxazepam
COC	Benzoylecgonine
THC	11-nor-Δ9 -THC-9 COOH
MTD	Methadone
MAMP	Methadone
PCP	Phencyclidine
TCA	Nortriptyline
OPI	Morphine

The following results are tabulated from these clinical studies

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	AMP	AMP	AMP	MTD	OPI	BAR	TCA	MDMA
	1000	500	300		2000			
Positive	98%	98%	95%	98%	95%	95%	98%	93%
Agreement								
Negative	98%	98%	95%	95%	98%	98%	95%	95%
Agreement								
Overall	98%	98%	95%	96%	96%	96%	96%	94%
Agreement								

	EDDP	THC	PCP	COC	TRA	BUP	BZO300	OXY
Positive	98%	95%	93%	93%	93%	93%	98%	95%
Agreement								
Negative	95%	98%	95%	95%	95%	95%	93%	95%
Agreement								
Overall	96%	96%	94%	94%	94%	94%	95%	95%
Agreement								

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	MAMP 1000	MAMP 500	MAMP 300	THC20	BZO200	COC15 0	MOP30 0	PPX
Positive Agreement	93%	95%	98%	98%	95%	98%	98%	95%
Negative Agreement	95%	98%	95%	95%	98%	98%	95%	98%
Overall Agreement	94%	96%	96%	96%	96%	98%	96%	96%

Analyte	THC		BZO.	300	PPX		OXY		MTD)	EDD	P
	Pos	Neg	Po	Neg	Po	Neg	Pos	Neg	Pos	Neg	Pos	Neg
			S		s							
i toguir to	0	20	0	20	0	20	0	20	0	20	0	20
Samples												
Near Cut-off												
Negative Sam-												
ples [between												
50%	1	19	3	17	1	19	2	18	2	18	2	18
of cut-off and												
cut-off]												
Near Cut-off												
Positive Samples												
[between cutoff												
and	18	2	19	1	18	2	18	2	19	1	19	1
150% of cut-off]												
Positive Samples												
[>150% of	20	0	20	0	20	0	20	0	20	0	20	0
cut-off]												
Agreement	95%	98%	98%	93%	95%	98%	95%	95%	98%	95%	98%	95%
with GC/MS												

Analyte	BAR		COC		OPI2	000	MDN	ſΑ	mAN.	ΙP	BUP	
	Pos	Neg	Pos	Neg	Pos		Pos	Neg	Pos	Neg	Pos	Neg
Negative Sam- ples	0	20	0	20	0	g 20	0	20	0	20	0	20
Near Cut-off Negative Sam- ples [between 50% of cut-off and cut-off]	1	19	2	18	1	19	2	18	2	18	2	18
Near Cut-off Positive Sam- ples [between cutoff and 150% of cut- off]	18	2	17	3	18	2	17	3	17	3	17	3
Positive Sam- ples [>150% of cut-off]	20	0	20	0	20	0	20	0	20	0	20	0
Agreement with GC/MS	95%	98%	93%	95%	95%	98%	93%	95%	93%	95%	93%	95%

Analyte	mAM	IP500	AMP:	300	MOP	300	THC:	20	COC	150	TRA	
	Pos	Neg	Pos	Ne	Po	Ne	Pos	Ne	Pos	Neg	Po	Ne
				g	S	g		g			s	g
Negative	0	20	0	20	0	20	0	20	0	20	0	20
Samples												
Near Cut-off												
Negative												
Samples	1	19	2	18	2	18	1	19	1	19	2	18
[between												
50% of cut-												
off and												
cut-off]												
Near Cut-off												
Positive												
Samples												
[between	18	2	18	2	19	1	18	2	19	1	17	3
cutoff and												
150% of												
cut-off]												
Positive												
Samples	20	0	20	0	20	0	20	0	20	0	20	0
[>150% of												
cut-off]												
Agreement	95%	98%	95%	95%	98%	95%	95%	98%	98%	98%	93%	95%
with GC/MS												

Analyte	TCA		AMF	1000	PCP		AMP	500	BZO		mAN 00	1P3
	Po	Ne	Pos	Ne	Po	Ne	Pos	Ne	Po		Pos	Neg
	S	g		g	S	g		g	S			
Negative Samples	0	20	0	20	0	20	0	20	0	20	0	20
Near Cut-off Neg-												
ative Samples	2	18	1	19	2	18	1	19	1	19	2	18
[between 50% of												
cut-off and cut-												
off]												
Near Cut-off Posi-												
tive Samples	19	1	19	1	17	3	19	1	18	2	19	1
[between cutoff												
and 150% of cut-												
off]												
Positive Samples	20	0	20	0	20	0	20	0	20	0	20	0
[>150% of cut-off]												
Agreement with	98%		98%	98%	93%	95%	98%	98%	95%	98%	98%	95
GC/MS		95%										%

REPRODUCIBILITY:

Reproducibility studies were carried out using commercially available stork solutions of the drug analytes listed. Dilutions were made from the stork solution of each drug to the concentrations specified in the following tables. The results are listed in the following tables.

Amphetamine (AMP1000)

Amphetamine (AMP) conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
500	40	40 negative	>99%
1500	40	40 positive	>99%
2000	40	40 positive	>99%



Amphetamine (AMP50	(00)
A	

Amphetamine (AMP) conc.(ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
250	40	40 negative	>99%
750	40	40 positive	>99%
1000	40	40 positive	>99%

Amphetamine (AMP300)

Timphetamine (Time)	00)		
Amphetamine (AMP) conc.(ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
150	40	40 negative	>99%
450	40	40 positive	>99%
600	40	40 positive	>99%

Barbiturates (BAR)

Secobarbital conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
150	40	40 negative	>99%
450	40	40 positive	>99%
600	40	40 positive	>99%

Benzodiazepines (BZO300)

Oxazepam conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
150	40	40 negative	>99%
450	40	40 positive	>99%
600	40	40 positive	>99%

Benzodiazepines (BZO200)

Oxazepam conc.(ng/mL)	Total number of Determinations	Result	Precision	
Drug-free Urine	40	40 negative	>99%	
100	40	40 negative	>99%	
300	40	40 positive	>99%	
400	40	40 positive	>99%	

Cocaine (COC300)

Benzoylecgonine conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
150	40	40 negative	>99%
450	40	40 positive	>99%
600	40	40 positive	>99%

Cocaine (COC150)

Benzoylecgonine conc.(ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
75	40	40 negative	>99%
225	40	40 positive	>99%
300	40	40 positive	>99%

Marijuana (THC50)

11-nor-Δ ⁹ -THC-9-COOH conc.(ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
10	40	40 negative	>99%
30	40	40 positive	>99%
40	40	40 positive	>99%

Marijuana (THC20)

11-nor-Δ ⁹ -THC-9-COOH conc.(ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
10	40	40 negative	>99%
30	40	40 positive	>99%
40	40	40 positive	>99%

Methadone (MTD)

memadone (mil)				
Methadone conc.(ng/mL)	Total number of Determinations	Result	Precision	
Drug-free Urine	40	40 negative	>99%	
150	40	40 negative	>99%	
450	40	40 positive	>99%	
600	40	40 positive	>99%	

Methamphetamine (MAMP1000)

Methamphetamine conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
500	40	40 negative	>99%
1500	40	40 positive	>99%
2000	40	40 positive	>99%

Methamphetamine (MAMP500)

Methamphetamine conc.(ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
250	40	40 negative	>99%
750	40	40 positive	>99%
1000	40	40 positive	>99%

Methamphetamine (MAMP300)

	Methamphetamine conc.(ng/mL)	Total number of Determinations	Result	Precision	
	No drug present	40	40 negative	>99%	
Г	150	40	40 negative	>99%	
	450	40	40 positive	>99%	
	600	40	40 positive	>99%	

Opiate 2000 (OPI 2000)

Morphine conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
1000	40	40 negative	>99%
3000	40	40 positive	>99%
4000	40	40 positive	>99%
•			

Phencyclidine (PCP)

Theneyename (TCT)			
Phencyclidine conc.(ng/mL)	Total number of Determinations	Result	Precision
Drug-free Urine	40	40 negative	>99%
12.5	40	40 negative	>99%
37.5	40	40 positive	>99%
50	40	40 positive	>99%

1	ricyc antidepressants (10	υ A)		
	Nortiptyline conc.(ng/mL)	Total number of Determinations	Result	Precision
	Drug-free Urine	40	40 negative	>99%
	500	40	40 negative	>99%
	1500	40	40 positive	>99%
	2000	40	40 positive	>99%



ANALYTICAL SENSITIVITY

A drug-free urine pool was spiked with drugs to the concentrations at $\pm50\%$ cut-off and $\pm\,25\%$ cut-off. The results are summarized below.

Drug concen-		AMP	1000	BA	λR	BZ	ZO	COC	2300	TH	C50
tration Cut-off Range	n	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	30	27	3	27	3	28	2	30	0	20	10
Cut-off	30	17	13	15	15	16	14	9	21	13	17
+25% Cut-off	30	6	24	4	26	3	27	7	23	3	27
+50% Cut-off	30	0	30	0	30	0	30	0	30	0	30
2X Cut-off	30	0	30	0	30	0	30	0	30	0	30

Drug concen-		M	ΓD	AM	P500	mAM	P1000	MD	MA	MOI	P300
tration Cut-off Range	n	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	30	24	6	27	3	24	6	28	2	28	2
Cut-off	30	16	14	16	14	14	16	19	11	20	10
+25% Cut-off	30	3	27	3	27	7	23	2	28	3	27
+50% Cut-off	30	0	30	0	30	0	30	0	30	0	30
2X Cut-off	30	0	30	0	30	0	30	0	30	0	30

Drug concen-		O	ΥY	PC	CP	TF	RA	TC	CA	ED	DP
tration Cut-off Range	n	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	30	23	7	27	3	26	4	20	10	27	3
Cut-off	30	10	20	19	11	16	14	14	16	16	14
+25% Cut-off	30	1	29	1	29	3	27	4	26	4	26
+50% Cut-off	30	0	30	0	30	0	30	0	30	0	30
2X Cut-off	30	0	30	0	30	0	30	0	30	0	30

Drug		OPI:	2000	BU	JP	AMI	P500	mAN	1P500	mAN	1P300
concentration Cut-off Range	n	-	+	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	30	27	3	28	2	26	4	27	3	27	3
Cut-off	30	14	16	16	14	19	11	20	10	14	16
+25% Cut-off	30	4	26	5	25	3	27	6	24	29	1
+50% Cut-off	30	0	30	0	30	0	30	0	30	0	30
2X Cut-off	30	0	30	0	30	0	30	0	30	0	30

Drug		AMI	2 300	COC	C150	THO	C 20	BZC)200
concentration 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	25	5	26	4	25	5
Cut-off	30	14	16	13	17	18	12	14	16
+25% Cut-off	30	5	25	2	28	4	26	3	27
+50% Cut-off	30	0	30	0	30	0	30	0	30
2X Cut-off	30	0	30	0	30	0	30	0	30

ANALYTICAL SPECIFICITY:

The following table lists the concentration of compounds (ng/mL) that were detected positive in urine by the One Step Drug of Abuse Test at a read time of 5 minutes.

Drug	Concentration (ng/ml)			
AMPHETAMINE (AMP1000)				
d-amphetamine	1,000			
D,l-amphetamine	1,000			
1-amphetamine	20,000			
Phentermine	1,250			
(+/-)-Methylenedioxyamphetamine (MDA)	1,500			
(+/-)-4-Hydroxyamphetamine HCL	600			
AMPHETAMINE (AMP500)				
d-amphetamine	500			
D,l-amphetamine	750			
1-amphetamine	16,000			
Phentermine	650			

Drug	Concentration (ng/ml)
(+/-)-Methylenedioxyamphetamine (MDA)	800
AMPHETAMINE (AMP300)	
d-amphetamine	300
D,l-amphetamine	500
1-amphetamine	10,000
Phentermine	400
(+/-)-Methylenedioxyamphetamine (MDA)	500
BARBITURATES (BAR)	
Secobarbital	300
Amobarbital	300
Alphenal	750
Aprobarbital	250
Butabarbital	6,000
Butalbital	2,500
Butethal	2,500
Cyclopentobarbital	500
Pentobarbital	2,500
Phenobarbital	25,000
BENZODIAZEPINES (BZO300)	
a-Hydroxyalprazolam	1,260
Alprazalam	200
Bromazepam	1,560
Chlordiazepoxide	1,565
Chlordiazepoxide HCl	780
Clobazam	100
Clonazepam	785
Clorazepate Dipotassium	195
Delorazepam	1,560
Desalkylflurazepam	390
Diazepam	195
Estazolam	2,500
Flunitrazepam	385
(±) Lorazepam	1,560
RS-Lorazepam glucuronide	160
Midazolam	12,500
Nitrazepam	95
Norchlordiazepoxide	200
Nordiazepam	390
Oxazepam	300
Temazepam	100
Triazolam	2,500
BENZODIAZEPINES (BZO200)	
a-Hydroxyalprazolam	840
Alprazalam	150
Bromazepam	1,040
Chlordiazepoxide	1,040
Chlordiazepoxide HCl	520
Clobazam	70
Clonazepam	560
Clorazepate Dipotassium	160
Delorazepam	1,040

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IVA	
IVD	

Desalkylflurazepam	260
Diazepam	150
Estazolam	1,500
Flunitrazepam	260
(±) Lorazepam	1,040
RS-Lorazepam glucuronide	100
Midazolam	12,500
Nitrazepam	70
Norchlordiazepoxide	150
Nordiazepam	260

Deno	Concentration (ng/ml)
Oxazepam	200
Temazepam	70
Triazolam	1,500
Flunitrazepam	150
(±) Lorazepam	7,000
RS-Lorazepam glucuronide	100
Midazolam	3,500
Nitrazepam	500
Norchlordiazepoxide	150
Nordazepam	700
Temazepam	35,000
Triazolam	1.500
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COCAINE (COC300)	
Benzoylecogonine	300
Cocaethylene	300
Cocaine	300
Metoclopromide	80,000
Procaine	75,000
Riboflavin	25,000
Norcocaine	50,000
COCAINE (COC150)	20,000
Benzoylecogonine	150
Cocaethylene	2,500
Cocaine	1000
MARIJUANA (THC50)	1000
11-Nor- Δ^9 -Tetrahydrocannabinol	50
11-Hydroxy-Δ ⁹ -Tetrahydrocannabinol	5,000
11-Nor-\(\Delta\) *Tetrahydrocannabinol	50
11-Nor-Δ ⁹ -Tetrahydrocannabinol-9 Carboxylic Glucuron-	
id	2,500
Δ^8 -Tetrahydrocannabinol	20,000
Δ - Tetrahydrocannabinol	50,000
A -Tetranyurocamiaomoi	30,000
MARIJUANA (THC20)	
11-Nor-Δ ⁹ -COOH	20
Cannabinol	10,000
11-Nor-Δ ⁸ -COOH	20
11-Nor-Δ ⁹ -Tetrahydrocannabinol-9 Carboxylic	2,500
Glucuronid	2,300
Δ^8 -THC	10,000
Δ^9 -THC	10,000
A -THE	10,000
METHAMPHETAMINE (MAMP 1000)	
+methamphetamine	1,000
(+/-) 3,4-Methylenedioxy-n-ethylamphetamine(MDEA)	20,000
Procaine (Novocaine)	60,000
Trimethobenzamide	20,000
+/-methamphetamine	1,000
Ranitidine (Zantac)	50,000
(+/-) 3,4-Methylenedioxymethamphetamine (MDMA)	2,500
Chloroquine Ephedrine	50,000
Fenfluramine	50,000
p-Hydroxymethamphetamine	10,000
	10,000
METHAMPHETAMINE (MAMP 500)	500
+methamphetamine	500
D,l-amphetamine	750
l-amphetamine	16,000
Phentermine	650
(+/-)-Methylenedioxyamphetamine (MDA)	800

METHAMPHETAMINE (MAMP 300)	
+methamphetamine	300
D,l-amphetamine	450

Drug	Concentration (ng/ml)	
1-amphetamine	9,600	
Phentermine	400	
(+/-)-Methylenedioxyamphetamine (MDA)	480	
METHYLENEDIOXYMETHAMPHETAMINE (MDMA)		
D,L-3,4-Methylenedioxymethamphetamine (MDMA)	500	
3,4-Methylenedioxyamphetamine HCI (MDA)	3,000	
3,4-Methylenedioxyethyla-amphetamine (MDEA)	300	
Labetalol	50,000	
MORPHINE (OPI 300,MOP,MOR)		
Morphine	300	
6-acetylmorphine	500	
Codeine Eserine (Physosotigmine)	100 15,000	
Ethylmorphine	15,000	
Heroin	500	
Hydromorphone	2,000	
Hydrocodone	1,250	
Morphine-3-glucuronide	75	
Oxycodone	75,000	
Thebaine	13,000	
OPIATES (OPI 2000)	15,000	
Morphine Morphine	2,000	
6-acetylmorphine	2,500	
Codeine	1,000	
Ethyl Morphine	250	
Heroin	5,000	
Hydromorphine	2,500	
Hydrocodone	5,000	
Morphine-3-glucuronide	75	
Oxycodone	75,000	
Thebaine	13,000	
Levorphanol	25,000	
Eserine	50,000	
OXYCODONE (OXY)		
Oxycodone	100	
Codeine	50,000	
Dihydrocodeine	12,500 75,000	
Ethyl Morphine Hydrocodone	1,580	
Hydromorphone	100,000	
Oxymorphone	750	
Thebaine	50,000	
PHENCYCLIDINE (PCP)	20,000	
Phencyclidine	25	
4-Hydroxy PCP	90	
PCP Morpholine Anolog	625	
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TRICYCLIC ANTIDEPRESSANTS (TCA)		
Nortriptyline	1,000	
Amitriptyline	1,500	
Clomipramine	50,000	
Desipramine	5,000	
Doxepine	10,000	
Imipramine	10,000	
Maprotiline	100,000	
Nordoxepin	10,000	
Promazine	50,000	
Promethazine	2,500	
Trimipramine	50,000	
Cyclobenzaprine Hydrochloride	5,000	
Norclomipramine Buprenorphine (BUP)	50,000	







Drug	Concentration (ng/ml)
Buprenorphine	10
Norbuprenorphine	20
Methadone (MTD)	
Methadone	300
Doxylamine	50,000
Propoxyphene (PPX)	
Norpropoxyphene	300
Propoxyphene,d-	300
EDDP(Methadone Metabolites)	
EDDP	300
Disopyramide	50,000
Tramadol	100,000
Venlafaxine hydrochloride	100,000
TRAMADOL (TRA)	
Tramadol	200
N-desmethyl-tramadol	500
O-desmethyl-tramadol	20,000

EFFECT OF URINARY SPECIFIC GRAVITY:

Fifteen (15) urine samples of normal, high, and low specific gravity ranges (1.005, 1.015, 1.030) were spiked with drugs at 50% below and 50% above cut-off levels respectively. The One Step Drug of Abuse Test was tested in duplicate using ten drug-free urine and spiked urine samples. The results demonstrate that varying ranges of urinary specific gravity do not affect the test results.

EFFECT OF URINARY PH:

The pH of an aliquoted negative urine pool was adjusted to pH ranges of 4.0, 4.5, 5.0, 6.0 and 9.0, and spiked with drugs at 50% below and 50% above cut-off levels. The spiked, pH-adjusted urine was tested with the One Step Drug of Abuse Test. The results demonstrate that varying ranges of pH do not interfere with the performance of the test.

CROSS REACTIVITY:

A study was conducted to determine the cross-reactivity of the test with compounds in either drug-free urine or drug positive urine containing Cocaine, Barbiturates, Benzodiazepines, Amphetamine , Methamphetamine, Marijuana, Methadone, MDMA(Ecstasy), Opiate , Oxycodone, Phencyclidine, EDDP(Methadone Metabolites), Buprenorphine, Tramadol, Propoxyphene or Tricyclic Antidepressants. The following compounds show no cross-reactivity when tested with the One Step Drug of Abuse Test at concentrations of 100 \perp g/mL.

NON-CROSS REACTIVITY COMPOUNDS:

Acetophenetidin, l-Cotinine, Ketoprofen, d-Pseudoephedrine, N-Acetyl procainamide, Creatinine, Labetalol, Quinidine, Acetyl-scylic acid, Peoxycorticosterone, Loperamide, Quinine, Aminopyrine, Dextromethorphan, Meprobamate, Salicylic acid, Amoxicillin-Diclofenac, Methoxyphenamine, Serotonin, Ampicillin, Diflunisal Methylphenidate, Sulfamethazine, l-Ascorbic acid, Digoxin, Nalidixic acid, Sulindac Apomorphine, Diphenhydramine, Naproxen, Tetracycline Aspartame, Ethyl-p-aminobenzoate, Niacinamide, Tetra hydrocortisone, Atropine, Estradiol, Nifedipine, 3-Acetate, Benzylic acid, Estrone-3-sulfate, Norethindrone, Tetra hydrocortisone, Benzoic acid, Erythromycin, Noscapine, Tetrahydrozoline, Bilirubin, Fenoprofen, d,l-Octopamine, Thiamine, d,l-Brompheniramine, Furosemide, Oxalic acid, Thioridazine, Caffei Gentisic acid, Oxolinic acid, d,l-Tyrosine, Cannabidiol, Hemoglo-

bin , Oxymetazoline , Tolbutamide ,Chloralhydrate , Hydralazine Papaverine, Triamterene, Chloramphenicol ,Hydrochlorothiazide , Penicillin-G, Trifluoperazine, Chlorothiazide, Hydrocortisone, Perphenazine, Trimethoprim , d,l-Chlorpheniramine, o-Hydroxyhippuric acid, Phenelzine, d,l-Tryptophan , Chlorpromazine, 3-Hydroxytyramine, Prednisone, Uric acid Cholesterol, d,l-Isoproterenol, d,l-Propanolol, Verapamil Clonidine, Isoxsuprine, Cortisone, Zomepirac

SYMBOLS OB LABEL

Symbols	Signify	Symbols	Signify
REF	Catalogue Number	SIZE	Pack Size
Ω	Expiry Date	VOL	Volume
*	Storage Condition	LOT	Lot Number
[]i	Instruction for Use	IVD	In Vitro Diagnostics
<u>Σ</u>	Manufacturing Date	***	Manufacturer
	Number of Tests	2	For Single Use Only
EC REP	EC Representative	(€	European conformity

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