One Step Multi-Drug Urine T-Cup

One Step Multi-Drug Urine T-Cup offers any combination from 2 to 16 drugs of abuse tests for 16 different drugs: Amphetamine (AMP), Barbiturates (BAR), Benzodiazepines (BZO), Cocaine (COC), Marijuana (THC), Methadone (MTD), Methamphetamine (MET), Methylenedioxymethamphetamine (MDMA), Morphine (MOP), Opiate (OPI 2000), Phencyclidine (PCP), Tricyclic Antidepressants (TCA),), Buprenorphine (BUP), Oxycodone (OXY), Ketamine (KET), Propoxyphene (PPX). This drug test kit cup also provides adulteration testing for Oxidant/Bleach, Specific, Gravity, pH, Nitrite, Creatinine and Pyridinium Chlorochromate.

This package insert applies to all combinations of multi-drug tests panel with integrated cup. Therefore, some information on the performance characteristics of the product may not be relevant to your test. We refer to the labels on the packaging and the prints on the test strip to identify which drugs are included in your test.

A rapid one step test for the qualitative detection of drug of abuse and their principal metabolites in human urine at specified cut off level.

For healthcare professional use only. For in vitro diagnostic use

One Step Multi-Drug Urine T-Cup is rapid urine screening test. The test is a lateral flow, one-step immunoassay for the qualitative detection of specific drugs and their metabolites in human urine at the following cut off concentrations:

Test	Calibrator	Cut off (ng/ml)
Amphetamine	Amphetamine	1,000
Barbiturates	Secobarbital	300
Benzodiazepines	Oxazepam	300
Cocaine	Benzoylecgonine	300
Marijuana	Marijuana	50
Methadone	Methadone	300
Methamphetamine	Methamphetamine	1,000
Methylenedioxymethamphetamine	3,4-Methylenedioxymethamphetamine HCI(MDMA)	500
Morphine	Morphine	300
Opiate	Morphine	2000
Phencyclidine	Phencyclidine	25
Tricyclic Antidepressants	Notriptyline	1,000
Buprenorphine	Buprenorphine	10
Oxycodone	Oxycodone	100
Ketamine	Ketamine	1,000
Propoxyphene	Propoxyphene	300

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

PRINCIPLE

One Step Multi-Drug Urine T-Cup is a competitive immunoassay that is used to screen for the presence of drugs of abuse in urine. It is chromatographic absorbent device in which drugs or drug metabolites in a sample competitively combined to a limited number of antibody-dye conjugate binding sites.

When the absorbent end of the test device is immersed into the urine sample, the urine absorbed into the device by capillary action, mixes with the antibody-dye conjugate, and flows across the pre-coated membrane.

When sample drug levels are at or above the target cutoff, the drug in the sample binds to the when sample only levels are to above use target count, the drug in the sample of the drug-protein pre-coated in the test region (T). This prevents the development of a distinct colored band in the test region indicating a potentially positive result.

When sample drug levels are zero or below the target cutoff (the detection sensitivity of the test). antibody-dye conjugate binds to the drug-protein pre-coated in the test region (T) of the device This produces a colored test line that, regardless of its intensity, indicates a negative result.

To serve as a procedure control, a colored line will appear on the control region (C), if the test has been performed properly.

WARNINGS AND PRECAUTIONS

- This kit is for external use only. Do not swallow
- · Discard after first use. The test cannot be used more than once.
- Do not use test kit beyond expiration date.
 Do not use the kit if the pouch is punctured or not well sealed.
 Keep out of the reach of children.

STORAGE AND STABILITY

- Store at 4 °C ~ 30 °C up to the expiration date.
- Keep away from sunlight, moisture and heat.
 DO NOT FREEZE.

- One pouch containing a test T-cup and a desiccant
- •Color comparator chart for the adulteration testing labeled on the foil pouch

Material Required But Not Provided

•Timer

SPECIMEN COLLECTION AND PREPARATION

Wash your hands with soap and warm water. Open the sealed pouch and remove the urine test T-cup.

•The donors collect their urine samples. Open the cap of the cup and urinate directly into the test cup. The sample volume should be higher than the minimum urine level. Re-cap the cup.

TEST PROCEDURE

- 1. After the urine has been collected, re-cap the cup and place the test T-cup on a flat surface
- 2. Peel the label from right to left.

 3. Read adulteration testing results at the times specified, compare the colors on the adulteration. strip to the color chart labeled on the foil pouch. Proper read time is critical for optimal results. If
- the results indicate adulteration, do not read the drug test results.

 4. If results do not indicate adulteration, read drug test results within 5 minutes. **Do not read** results after 10 minutes







INTERPRATATION OF RESULTS

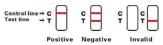
Positive (+)

A rose-pink band is visible in each control region. No color band appears in the appropriate test region. It indicates a positive result for the corresponding drug of that specific test zone.

A rose-pink band is visible in each control region and the appropriate test region. It indicates that the concentration of the corresponding drug of that specific test zone is zero or below the detection limit of the test.

If a color band is not visible in each of the control region or a color band is only visible in each of the test region, the test is invalid. Another test should be run to re-evaluate the specimen. Please contact the distributor or the store, where you bought the product, with the lot number

Note: There is no meaning attributed to line color intensity or width



QUALITY CONTROL

Users should follow the appropriate federal state, and local guidelines concerning the frequency of assaying external quality control materials.

Though there is an internal procedural control line in the test device of Control region, the use of external controls is strongly recommended as good laboratory testing practice to confirm the test procedure and to verify proper test performance. Positive and negative control should give the expected results. When testing the positive and negative control, the same assay procedure should be adopted.

LIMITATIONS

- 1. This test has been developed for testing urine samples only. The performance of this test using other specimens has not been substantiated.
- Adulterated urine samples may produce erroneous results. Strong oxidizing agents such as bleach (hypochlorite) can oxidize drug analyses. If a sample is suspected of being adulterated, obtain a new sample.
- 3. This test is a qualitative screening assay. It is not designed to determine the quantitative
- concentration of drugs or the level of intoxication

 4. It is possible that technical or procedural errors, as well as other interfering substances in the urine specimen may cause erroneous results.
- time speciment may cause enrolled seasons.

 5. A negative result may not necessarily indicate drug-free urine. Negative results can be obtained when drug is present but below the cut-off level of the test.

 6. The test result does not distinguish between drugs of abuse and certain medicines.

 7. A positive result might be obtained from certain foods or food supplements.

- 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.
- 9. The adulteration assays are for screening purposes only; all abnormal results should be confirmed by an alternative methodology,

PERFORMANCE CHARACTERISTICS

Accuracy

1080 (eighty of each drug) clinical urine specimens were analyzed by GC-MS and by each corresponding One Step Drug of Abuse Test. Each Wondfo test was read by three viewers. Samples were divided by concentration into four categories; less than half the cutoff. near cutoff negative, near cutoff positive, and high positive. Results were as follows

AMP

VIEWEI A.				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
	half the cutoff	Negative (Between	(Between the cutoff	(greater than
Result	concentration	50% below the cutoff	and 50% above the	50% above
	by GC/MS	and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	4	11	29
Negative	28	8	0	0
	Result	Result Less than half the cutoff concentration by GC/MS analysis Positive 0	Result Less than Near Cutoff Negative (Between concentration by GC/MS analysis Concentration) Positive 0 0 4	Result Less than half the cutoff Negative (Between 50% below the cutoff oncentration by GC/MS analysis Positive 0 Mear Cutoff Negative (Between 50% below the cutoff and 50% above the cutoff concentration) 1 Near Cutoff Negative (Between to 50% below the cutoff and 50% above the cutoff concentration)

[%] agreement among positives is 100%

% agreement among negatives is 90.0%

Viewer B:

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	11	29
Negative	28	11	0	0

[%] agreement among positives is100% % agreement among negatives is 97.5%

_	viewer C:				
Γ		Less than	Near Cutoff	Near Cutoff Positive	High Positive
1	Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
1		concentration	50% below the	and 50% above the	50% above
1		by GC/MS	cutoff and the cutoff	cutoff	the cutoff
1		analysis	concentration)	concentration)	concentration)
Γ	Positive	0	5	11	29
Γ	Negative	28	7	0	0

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	4	15	20
Negative	20	16	5	0

[%] agreement among positives is 87.5% agreement among negatives is 90%

Viewer B

Γ		Less than	Near Cutoff	Near Cutoff	High Positive
	Result	half the cutoff	Negative (Between	Positive (Between	(greater than
		concentration	50% below the	the cutoff and 50%	50% above
		by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
		analysis	concentration)	concentration)	concentration)
ſ	Positive	0	2	18	20
	Negative	20	18	2	0

[%] agreement among positives is 95% % agreement among negatives is 95%

Viewer C:

	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	3	18	20
Negative	20	17	2	0

[%] agreement among positives is 95% % agreement among negatives is 92.5%

BZO Viewer A

٧	iewei A.				
Γ		Less than	Near Cutoff	Near Cutoff Positive	High Positive
	Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
		concentration	50% below the	and 50% above the	50% above
		by GC/MS	cutoff and the cutoff	cutoff	the cutoff
		analysis	concentration)	concentration)	concentration)
ľ	Positive	0	2	17	20
	Negative	20	18	3	0

[%] agreement among positives is 92.5% gareement among negatives is 95%

Viewer B:				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	20	20
Negative	20	19	0	0

[%] agreement among positives is 100% % agreement among negatives is 97.5%

viewer C:				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	3	18	20
Negative	20	17	2	0

COC Viewer A

viewei A.				
	Less than	Near Cutoff Negative	Near Cutoff	High Positive
Result	half the cutoff	(Between 50%	Positive (Between	(greater than
	concentration	below the cutoff and	the cutoff and 50%	50% above
	by GC/MS	the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	11	29
Negative	20	19	n	n

[%] agreement among positives is 100% % agreement among negatives is 97.5%

Viewer B:

	Less than	Near Cutoff Negative	Near Cutoff	High Positive
Result	half the cutoff	(Between 50%	Positive (Between	(greater than
	concentration	below the cutoff and	the cutoff and 50%	50% above
	by GC/MS	the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	9	29
Negative	20	19	2	0

[%] agreement among positives is 95% % agreement among negatives is 97.5%

Viewer C:				
	Less than	Near Cutoff Negative	Near Cutoff	High Positive
Result	half the cutoff	(Between 50%	Positive (Between	(greater than
	concentration	below the cutoff and	the cutoff and 50%	50% above
	by GC/MS	the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	2	9	29
Negative	20	18	2	0

[%] agreement among positives is 95% % agreement among negatives is 95%

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	4	18	22
Negative	22	14	0	0

[%] agreement among positives is 100% gareement among negatives is 90%

- 2	Viewei B.				
		Less than	Near Cutoff	Near Cutoff	High Positive
	Result	half the cutoff	Negative (Between	Positive (Between	(greater than
		concentration	50% below the cutoff	the cutoff and 50%	50% above
		by GC/MS	and the cutoff	above the cutoff	the cutoff
		analysis	concentration)	concentration)	concentration)
[Positive	0	0	17	22
[Negative	22	18	1	0

[%] agreement among positives is 97.5% % agreement among negatives is 100%

VICTOR O.				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	0	15	22
Negative	22	18	3	0

[%] agreement among positives is 92.5% agreement among negatives is 100%

MTD Viewer A:

viewer A:				
	Less than	Near Cutoff Negative	Near Cutoff	High Positive
Result	half the cutoff	(Between 50%	Positive (Between	(greater than
	concentration	below the cutoff and	the cutoff and 50%	50% above
	by GC/MS	the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	0	17	21
Negative	22	18	2	0

[%] agreement among positives is 95% % agreement among negatives is 100%

viewer B:				
	Less than	Near Cutoff Negative	Near Cutoff	High Positive
Result	half the cutoff	(Between 50%	Positive (Between	(greater than
	concentration	below the cutoff and	the cutoff and 50%	50% above
	by GC/MS	the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	0	18	21
Negative	22	18	1	0

[%] agreement among positives is 97.5% % agreement among negatives is 100%

viewer C:					
	Less than	Near Cutoff	Near Cutoff Positive	High Positive	
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than	
	concentration	50% below the	and 50% above the	50% above	
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff	
	analysis	concentration)	concentration)	concentration)	
Positive	0	0	18	21	
Negative	22	18	1	0	

[%] agreement among positives is 97.5% % agreement among negatives is 100%

MET

viewer A:				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the cutoff	and 50% above the	50% above
	by GC/MS	and the cutoff	cutoff concentration)	the cutoff
	analysis	concentration)		concentration)
Positive	0	5	19	20
Negative	26	9	1	0

[%] agreement among positives is 100% % agreement among negatives is 87.5%

[%] agreement among positives is 95% % agreement among negatives is 92.5%

[%] agreement among positives is 97.5% % agreement among negatives is 87.5%)

011	10	

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	2	3	19	20
Negative	24	11	1	0

[%] agreement among positives is97.5% gareement among negatives is 87.5%

Viewer C:

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	1	5	18	20
Negative	25	9	2	0

[%] agreement among positives is 95% gareement among negatives is 85%

MDMA Viewer A:

VICTOR A.	VICTOR A.				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive	
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than	
	concentration	50% below the	and 50% above the	50% above	
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff	
	analysis	concentration)	concentration)	concentration)	
Positive	0	0	19	20	
Negative	20	20	1	0	

[%] agreement among positives is 97.5% % agreement among negatives is 100%

Viewer B:

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	3	19	20
Negative	20	17	1	0

[%] agreement among positives is 97.5% % agreement among negatives is 92.5%

viewer C:				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	2	19	20
Negative	20	18	1	0

[%] agreement among positives is 97.5% greement among negatives is 95%

MOP

	Less than	Near Cutoff	Near Cutoff	High Positive	
Result	half the cutoff	Negative (Between	Positive (Between	(greater than	
	concentration	50% below the cutoff	the cutoff and 50%	50% above	
	by GC/MS	and the cutoff	above the cutoff	the cutoff	
	analysis	concentration)	concentration)	concentration)	
Positive	0	3	19	20	
Negative	29	8	1	0	
9/ agreement among positives is 07 E9/					

[%] agreement among positives is 97.5% % agreement among negatives is 92.5%

VIEWEI D.				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	3	19	20
Negative	29	8	1	0

[%] agreement among positives is 97.5% % agreement among negatives is 92.5%

Viewer C:

viewei C.				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	4	19	20
Negative	29	7	1	0

[%] agreement among positives is 97.5%

OPI Viewer A:

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	2	16	22
Negative	30	8	2	0

[%] agreement among positives is 95%

Viewer B:

	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	17	22
Negative	30	9	1	0

[%] agreement among positives is 97.5% % agreement among negatives is 97.5%

Viewer C:				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	16	22
Negative	30	9	2	0

	CWCI A.				
Г		Less than	Near Cutoff	Near Cutoff	High Positive
	Result	half the cutoff	Negative (Between	Positive (Between	(greater than
		concentration	50% below the cutoff	the cutoff and 50%	50% above
		by GC/MS	and the cutoff	above the cutoff	the cutoff
		analysis	concentration)	concentration)	concentration)
	Positive	0	0	15	22
Г	Negative	23	17	3	0

[%] agreement among positives is 92.5% % agreement among negatives is100%

Viewer B:				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	0	17	22
Negative	23	17	1	0

[%] agreement among positives is 97.5% % agreement among negatives is 100%

viewei C.				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the	the cutoff and 50%	50% above
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	15	22
Negative	23	16	3	0

[%] agreement among positives is 92.5% gareement among negatives is 97.5%

TCA Viewer A:

ſ		Less than	Near Cutoff	Near Cutoff Positive	High Positive
	Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
		concentration	50% below the cutoff	and 50% above the	50% above
		by GC/MS	and the cutoff	cutoff	the cutoff
		analysis	concentration)	concentration)	concentration)
	Positive	0	0	10	30
	Negative	29	11	0	0

[%] agreement among positives is 100% % agreement among negatives is 100%

viewer b:				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	2	10	30
Negative	29	9	0	0

[%] agreement among positives is100% % agreement among negatives is 95%

Viewer C:

VICTO.				
	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	0	10	30
Negative	29	11	0	0

[%] agreement among positives is 100% agreement among negatives is 100%

OXY Viewer A:

VICTOR A.				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the cutoff	and 50% above the	50% above
	by GC/MS	and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	10	28
Mogotivo	10	10	2	0

[%] agreement among negatives is 90%

[%] agreement among negatives is 95%

[%] agreement among positives is 95% % agreement among negatives is 97.5%

Negative 10
% agreement among positives is 95%
% agreement among negatives is 97.5%

Viewer B:

	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	2	9	28
Negative	10	18	3	0

[%] agreement among positives is 92.5% % agreement among negatives is 95%

vie	wer c:				
		Less than	Near Cutoff	Near Cutoff Positive	High Positive
	Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
		concentration	50% below the	and 50% above the	50% above
		by GC/MS	cutoff and the cutoff	cutoff concentration)	the cutoff
		analysis	concentration)		concentration)
F	Positive	0	0	8	28
N	legative	10	20	4	0

[%] agreement among positives is 90% % agreement among negatives is 100%

BUP

VICTOR A.				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	16	20
Negative	10	19	4	0

[%] agreement among positives is 90% % agreement among negatives is 97.5%

Viewer B:

		Less than	Near Cutoff	Near Cutoff Positive	High Positive
	Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
		concentration	50% below the	and 50% above the	50% above
		by GC/MS	cutoff and the cutoff	cutoff	the cutoff
		analysis	concentration)	concentration)	concentration)
-	Positive	0	2	16	20
	Negative	10	18	4	0

Viewer C:

	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff concentration)	the cutoff
	analysis	concentration)		concentration)
Positive	0	0	16	20
Negative	10	20	4	0

[%] agreement among positives is 90% % agreement among negatives is 100%

PPX

Viewer A:				
	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	2	16	20
Negative	18	10	4	0

[%] agreement among positives is 90% greement among negatives is 95%

Viewer B:

	Less than	Near Cutoff	Near Cutoff	High Positive
Result	half the cutoff	Negative (Between	Positive (Between	(greater than
	concentration	50% below the cutoff	the cutoff and 50%	50% above
	by GC/MS	and the cutoff	above the cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	1	17	20
Negative	18	11	3	0

[%] agreement among positives is 92.5% greement among negatives is 97.5%

viewer C.					
	Less than	Near Cutoff	Near Cutoff	High Positive	
Result	half the cutoff	Negative (Between	Positive (Between	(greater than	
	concentration	50% below the	the cutoff and 50%	50% above	
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff	
	analysis	concentration)	concentration)	concentration)	
Positive	0	0	15	20	
Negative	18	12	5	0	

[%] agreement among positives is 87.5% % agreement among negatives is 100%

KET Viewer A:

	Less than	Near Cutoff	Near Cutoff Positive	High Positive
Result	half the cutoff	Negative (Between	(Between the cutoff	(greater than
	concentration	50% below the	and 50% above the	50% above
	by GC/MS	cutoff and the cutoff	cutoff	the cutoff
	analysis	concentration)	concentration)	concentration)
Positive	0	0	10	30
Negative	29	11	0	0

[%] agreement among positives is 100%

viewer B.					
	Less than	Near Cutoff	Near Cutoff	High Positive	
Result	Result half the cutoff Negative (Betwee		Positive (Between	(greater than	
	concentration 50% below the		the cutoff and 50%	50% above	
	by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff	
	analysis	concentration)	concentration)	concentration)	
Positive	0	2	10	30	
Negative	29	9	0	0	

[%] agreement among positives is100% % agreement among negatives is 95%

- 1	viewer C:					
ı		Less than	Near Cutoff	Near Cutoff	High Positive	
	Result	half the cutoff	Negative (Between	Positive (Between	(greater than	
		concentration	50% below the	the cutoff and 50%	50% above	
		by GC/MS	cutoff and the cutoff	above the cutoff	the cutoff	
		analysis	concentration)	concentration)	concentration)	
	Positive	0	0	8	28	
- [Negative	10	20	4	0	

[%] agreement among positives is 90% greement among negatives is 100%

Precision and Sensitivity

To investigate the precision and sensitivity, each drug samples were analyzed at the following concentrations: cutoff - 50%, cutoff - 25%, cutoff, cutoff +25%, and the cutoff +50%. All concentrations were confirmed with GC-MS. Each concentration was tested using three different lots of the corresponding drug of abuse test. Thirty samples were analyzed at each concentration, and each result was read by three viewers, for a total of 90 results per concentration per lot of the corresponding drug of abuse test.

1	Approximate concentration of	Number of	Results
	sample (ng/mL)	determinations	Negative/ Positive
	500	90	90/0
	750	90	78/12
	1000	90	32/58
	1250	90	14/76
	1500	90	0/90

LOI 2			
Approximate Concentration of	Number of	Results	
sample (ng/mL)	determinations	Negative/ Positive	
500	90	90/0	
750	90	78/12	
1000	90	32/58	
1250	90	14/76	
1500	90	0/90	

Lot 3			
Approximate Concentration of	Number of	Results	
sample (ng/mL)	determinations	Negative/ Positive	
500	90	90/0	
750	90	78/12	
1000	90	32/58	
1250	90	14/76	
1500	90	0/90	

BAR

Results Negative/ Positive Approximate concentration Number of of sample (ng/mL) determinations 150 90/0 90 90 90 79/11 42/48 225 300 375 90 18/72 450 90 0/90

Lot 2				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
150	90	90/0		
225	90	79/11		
300	90	42/48		
375	90	18/72		
450	90	0/90		

Lot 3		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	90	90/0
225	90	79/11
300	90	42/48
375	90	18/72
450	90	0/90

[%] agreement among positives is 90% % agreement among negatives is 95%

[%] agreement among negatives is 100%

BZO Lot 1

LOUI			
Approximate concentration	Number of	Results	
of sample (ng/mL)	determinations	Negative/ Positive	
150	90	90/0	
225	90	79/11	
300	90	41/49	
375	90	9/81	
450	90	0/90	

Lot 2				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
150	90	90/0		
225	90	79/11		
300	90	41/49		
375	90	11/79		
450	90	0/90		

Lot 3

LOUS			
Approximate Concentration	Number of	Results	
of sample (ng/mL)	determinations	Negative/ Positive	
150	90	90/0	
225	90	80/10	
300	90	41/49	
375	90	11/79	
450	90	0/90	

coc

Lot 1		
Approximate concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	90	90/0
225	90	82/8
300	90	37/53
375	90	13/77
450	90	0/90

Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
150	90	90/0		
225	90	80/10		
300	90	36/54		
375	90	13/77		
450	90	0/90		

Lot 3

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	90	90/0
225	90	80/10
300	90	36/54
375	90	13/77
450	90	0/90

THC Lot 1

LOUT				
Approximate concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
25	90	90/0		
38	90	76/14		
50	90	43/47		
63	90	12/78		
75	90	0/90		

Lot 2				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
25	90	90/0		
38	90	76/14		
50	90	43/47		
63	90	12/78		
75	90	0/90		

Lot 3

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
25	90	90/0
38	90	76/14
50	90	43/47
63	90	12/78
75	90	0/90

MTD Lot 1

Lot 1			
Approximate concentration of sample (ng/mL)	Number of determinations	Results Negative/ Positive	
150	90	90/0	
225	90	75/15	
300	90	41/49	
375	90	7/83	
450	90	0/90	

Lot 2

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	90	90/0
225	90	75/15
300	90	41/49
375	90	7/83
450	90	0/90

Lot 3

Lot 3				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
150	90	90/0		
225	90	75/15		
300	90	41/49		
375	90	7/83		
450	90	0/90		

MET Lot 1

Approximate concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
500	90	90/0
750	90	81/9
1000	90	34/56
1250	90	13/77
1500	90	0/90

Lot 2				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
500	90	90/0		
750	90	81/9		
1000	90	34/56		
1250	90	13/77		
1500	gn gn	0/90		

Lot 3

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
500	90	90/0
750	90	81/9
1000	90	34/56
1250	90	13/77
1500	90	0/90

MDMA Lot 1

Approximate concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
250	90	90/0
375	90	86/14
500	90	30/50
625	90	9/81
750	90	0/90

Lot 2

-01-		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
250	90	90/0
375	90	86/14
500	90	30/50
625	90	9/81
750	90	0/90

Lot 3

	LOUS				
Γ	Approximate Concentration	Number of	Results		
	of sample (ng/mL)	determinations	Negative/ Positive		
Γ	250	90	90/0		
Γ	375	90	86/14		
Γ	500	90	30/50		
Γ	625	90	9/81		
Г	750	90	0/90		

MOP Lot 1

LOUI				
Number of	Results			
determinations	Negative/ Positive			
90	90/0			
90	77/13			
90	28/62			
90	8/82			
90	0/90			
	90 90 90 90 90			

LOI Z				
Approximate Concentration of sample (ng/mL)	Number of determinations	Results Negative/ Positive		
150	90	90/0		
220	90	77/13		
300	90	28/62		
375	90	8/82		
450	90	0/90		

Lot 3

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	90	90/0
220	90	77/13
300	90	28/62
375	90	6/84
450	90	0/90

OPI

LOUI				
Approximate concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
1000	90	90/0		
1500	90	80/10		
2000	90	44/46		
2500	90	12/78		
3000	90	0/90		

_ot 2		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
1000	90	90/0
1500	90	80/10
2000	90	44/46
2500	90	12/78
3000	90	0/90

Lot 3				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
1000	90	90/0		
1500	90	80/10		
2000	90	44/46		
2500	90	12/78		
3000	90	0/90		

PCP Lot 1

LOUT				
Approximate concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
13	90	90/0		
17	90	83/7		
25	90	47/43		
32	90	14/76		
38	90	0/90		

Lot 2				
Approximate Concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
13	90	90/0		
17	90	83/7		
25	90	47/43		
32	90	14/76		
38	90	0/90		

Lot 3		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
13	90	90/0
17	90	83/7
25	90	47/43
32	90	14/76
38	90	0/90

TCA Lot 1

LOT 1				
Approximate concentration	Number of	Results		
of sample (ng/mL)	determinations	Negative/ Positive		
500	90	90/0		
750	90	78/12		
1000	90	41/49		
1250	90	13/77		
1500	90	0/90		

_ot 2		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
500	90	90/0
750	90	78/12
1000	90	41/49
1250	90	13/77
1500	90	0/90

Lot 3 Approximate Concentration of sample (ng/mL) Number of determinations Results Negative/ Positive 500 90 90/0 750 90 78/12 1000 90 41/49 1250 90 13/77 1500 90 0/90

OXY Lot 1

LULI		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
5	75	75/0
75	75	63/12
100	75	10/65
125	75	3/72
150	75	0/75

Lot 2		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
5	75	75/0
75	75	64/11
100	75	11/64

Lot 3		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
5	75	75/0
75	75	63/12
100	75	9/66
125	75	2/73
150	75	0/75

Lot 2		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
5	75	75/0
7.5	75	63/12
10	75	8/67
12.5	75	3/72
15	75	0/75

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
5	75	75/0
7.5	75	61/14
10	75	9/66
12.5	75	2/73
15	75	0/75

PPX					
Lot 1					
Approximate Concentration	Number of	Results			
of sample (ng/mL)	determinations	Negative/ Positive			
150	75	75/0			
225	75	65/10			
300	75	9/66			
375	75	6/69			
450	75	0/75			

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	75	75/0
225	75	64/11
300	75	11/64
375	75	4/71
450	75	0/75

ot 3		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
150	75	75/0
225	75	64/11
300	75	9/66
375	75	5/70
450	75	0/75

ET t 1		
Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
500	75	75/0
750	75	62/13
1000	75	9/66
1250	75	4/71
1500	75	0/75

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
500	75	75/0
750	75	64/11
1000	75	11/64
1250	75	4/71
1500	75	0/75

Approximate Concentration	Number of	Results
of sample (ng/mL)	determinations	Negative/ Positive
500	75	75/0
750	75	63/12
1000	75	9/66
1250	75	2/73
1500	75	0/75

Analytical Specificity

To test the specificity of the test, the test device was used to test various drugs, drug metabolites and other components that are likely to be present in urine, All the components were added to drug-free normal human urine. These concentrations (ng/mL) below also represent the limits of detection for the specified drugs or metabolities.

Amphetamine	I	Methamphetamine	
d-Amphetamine	1,000	D(+)-Methamphetamine	1,000
d.1-Amphetamine	3,000	D-Amphetamine	50,000
1-Amphetamine	50,000	Chloroquine	50,000
(+/-) 3,4-methylenedioxyamphetamine	5,000	(+/-)-Ephedrine	50,000
Phentermine	3,000	(-)-Methamphetamine	25,000
Barbiturates	-,	(+/-)3,4-methylenedioxumethamphetamin	
		e(MDMA)	[,
Secobarbital	300	b-Phenylethylamine	50,000
Amobarbital	300	Trimethobenzamide	10,000
Alphenol	150	THINGUIGE GIVEN	10,000
Aprobarbital	200	Methylenedioxymethamphetamine(MDI	/Δ)
Butabarbital	75	3,4-Methylenedioxymethamphetamine	500
Databarbitar		HCI(MDMA)	
Butathal	100	3,4-Methylenedioxyamphetamine HCl	3.000
Butalbital	2,500	3,4-Methylenedioxyethylamphetamine	300
Cyclopentobarbital	600	Morphine	000
Pentobarbital	300	Morphine	300
Phenobarbital	100	Codeine	300
Benzodiazepines	100	Ethyl Morphine	300
Oxazepam	300	Hydrocodone	5.000
Alprazolam	200		5,000
	1,500	Hydromorphone	1,000
a-Hydroxyalprazolam		Morphinie-3- β-d-glucuronide	
Bromazepam	1,500	Thebaine	30,000
Chlordiazepoxide	1,500	Opiate 2000	
Clonazepam HCI	800	Morphine	2,000
Clobazam	100	Codeine	2,000
Clonazepam	800	Ethylmorphine	5,000
Clorazepate dipotassium	200	Hydrocodone	12,500
Delorazepam	1,500	Hydromorphine	5,000
Desalkylflurazepam	400	Levorphanol	75,000
Diazepam	200	G-Monoacetylmorphine	5,000
Estazolam	2,500	Morphine 3- β-D-glucuronide	2,000
Flunitrazepam	400	Norcodeine	12,500
D,L-Lorazepam	1,500	Normorphone	50,000
Midazolam	12,500	Oxycodone	25,000
Nitrazepam	100	Oxymorphine	25,000
Norchlordiazepoxide	200	Procaine	150,000
Nordiazepam	400	Thebaine	100,000
Temazepam	100	Phencyclidine	100,000
Trazolam	2,500	Phencyclidine	25
ITAZOIAIII	2,300	4-Hydroxyphencyclidine	12,500
Cocaine		H-Hydroxyphencyclidine	12,500
	300	Tricyclic Antidepressants	
Benzoylecgonine	750		1,000
Cocaine HCI		Notriptyline	
Cocaethylene	12,500	Nordoxepine	1,000
Ecgonine	32,000	Trimipramiine	3,000
		Amitriptyline	1,500
	le o		
11-nor-D9-THC-9-COOH	50	Promazine	1,500
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH	30	Promazine Desipramine	200
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino	30 12,500	Promazine Desipramine Imipramine	200 400
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol	30 12,500 7,500	Promazine Desipramine Imipramine Clomipramine	200 400 12,500
11-nor-D8-THC-9-COOH	30 12,500 7,500 10,000	Promazine Desipramine Imipramine	200 400 12,500 2,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol D9- Tetrahydrocannabinol	30 12,500 7,500	Promazine Desipramine Imipramine Clomipramine	200 400 12,500 2,000 2,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol D9- Tetrahydrocannabinol	30 12,500 7,500 10,000	Promazine Desipramine Imipramine Clomipramine Doxepine	200 400 12,500 2,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol D9- Tetrahydrocannabinol Cannabinol Cannabidol	30 12,500 7,500 10,000 10,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline	200 400 12,500 2,000 2,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-nor-D8-THC-9-COOH D8- Tetrahydrocannabinol D8- Tetrahydrocannabinol Cannabinol Cannabidiol Methadone	30 12,500 7,500 10,000 10,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline	200 400 12,500 2,000 2,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8-Tetrahydrocannabinol D9-Tetrahydrocannabinol Cannabinol Cannabidiol Methadone Methadone	30 12,500 7,500 10,000 10,000 100,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline Promethazine	200 400 12,500 2,000 2,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-nydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol O9- Tetrahydrocannabinol Cannabinol Cannabinol Cannabidol Methadone Methadone Doxylamine	30 12,500 7,500 10,000 10,000 100,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide	200 400 12,500 2,000 2,000 25,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-nydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol C9- Tetrahydrocannabinol Cannabinol Cannabidol Methadone Methadone Doxylamine Doxylogone	30 12,500 7,500 10,000 10,000 100,000 300 50,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine Norbuprenorphine	200 400 12,500 2,000 2,000 25,000 15 20
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8-Tetrahydrocannabinol D9-Tetrahydrocannabinol Cannabinol Cannabinol Cannabidiol Methadone Methadone Doxylamine Doxylodone Dihydrocodeine	30 12,500 7,500 10,000 10,000 100,000 300 50,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide	200 400 12,500 2,000 2,000 25,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol O9- Tetrahydrocannabinol Cannabinol Cannabinol Cannabidol Methadone Methadone Doxydamine Oxycodone Dihydrocodeine Codeine	30 12,500 7,500 10,000 10,000 100,000 300 50,000 20,000 100,000	Promazine Desipramine Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine Norbuprenorphine 3-D-Glucuronide Ketamine	200 400 12,500 2,000 2,000 25,000 15 20 200
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol Cannabinol Cannabidiol Methadone Methadone Doxylamine Oxycodone Dihydrocodeine Codeine Hydromorphone	30 12,500 7,500 10,000 10,000 100,000 300 50,000 20,000 100,000 100,000	Promazine Desipramine Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide Ketamine Methadone	200 400 12,500 2,000 2,000 25,000 15 20 200 50,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8-Tetrahydrocannabinol D9-Tetrahydrocannabinol Cannabinol Cannabinol Cannabinol Cannabinol Cannabinol Oxannabinol Oxannabinol Dinydrocodone Dinydrocodone Dihydrocodeine Codeine Hydromorphone Morphine	30 12,500 7,500 10,000 10,000 100,000 300 50,000 20,000 100,000 >100,000 >100,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide Ketamine Methadone Pethidine	200 400 12,500 2,000 2,000 25,000 15 20 200 50,000 12,500
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol D8- Tetrahydrocannabinol Cannabinol Cannabinol Cannabidiol Methadone Methadone Doxylamine Oxycodone Dihydrocodeine Codeine Hydromorphone Morphine Acetylmorphine	30 12,500 7,500 10,000 10,000 100,000 50,000 20,000 100,000 100,000 >100,000 >100,000	Promazine Desipramine Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide Ketamine Methadone Pethidine Methylamphetamine	200 400 12,500 2,000 2,000 25,000 15 20 200 50,000 12,500 12,500
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8-Tetrahydrocannabinol Cannabinol Cannabinol Cannabinol Methadone Methadone Doxylamine Oxycodone Dihydrocodeine Codeine Hydromorphone Morphine Buprenorphine Buprenorphine	30 12,500 7,500 10,000 10,000 100,000 100,000 20,000 100,000 100,000 >100,000	Promazine Desipramine Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide Ketamine Methadone Pethidine Methylamphetamine Methyamphetamine	200 400 12,500 2,000 2,000 25,000 15 20 200 50,000 12,500 12,500 12,500 12,500
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8-Tetrahydrocannabinol D9-Tetrahydrocannabinol Cannabinol Cannabinol Cannabinol Cannabinol Cannabinol Oxyouth one Methadone Methadone Doxylamine Oxyouth Oxyouth Dihydrocodeine Codeine Hydromorphone Morphine Buprenorphine Buprenorphine Ethylmorphine	30 12,500 7,500 10,000 10,000 100,000 50,000 20,000 100,000 100,000 >100,000 >100,000	Promazine Desipramine Imipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide Ketamine Methadone Pethidine Methylamphetamine Methoxyphenamine Promethazine	200 400 12,500 2,000 2,000 25,000 15 20 200 50,000 12,500 12,500 12,500 25,000
11-nor-D9-THC-9-COOH 11-nor-D8-THC-9-COOH 11-hydroxy-D9-Tetrahydrocannabino D8- Tetrahydrocannabinol D9- Tetrahydrocannabinol Cannabinol	30 12,500 7,500 10,000 10,000 100,000 100,000 20,000 100,000 100,000 >100,000	Promazine Desipramine Imipramine Clomipramine Clomipramine Doxepine Maprotiline Promethazine Buprenorphine Buprenorphine 3-D-Glucuronide Norbuprenorphine 3-D-Glucuronide Ketamine Methadone Pethidine Methylamphetamine Methyamphetamine	200 400 12,500 2,000 2,000 25,000 15 20 200 50,000 12,500 12,500 12,500 12,500

Cross-Reactivity

Considering the complexity of clinical urine specimens and the possibility that various urine specimens contain potentially interfering substances, we simulated above situations by adding the potentially interfering substances to a certain concentration as specimen. The following components show no cross-reactivity when tested with One Step Multi-Drug Urine Test T-Cup at a concentration of 100 µg/ml.

Non Crossing-Reacting Compounds

Acetophenetidin Nalidixic acid Acetylsalicylic acid Aminopyrine Amoxicillin Ampicillin L-Phenylephrine Apomorphine Aspartame Atropine Benzilic acid	Creatinine Deoxycorticosterone Dextromethorphan Diclofenac Diffunisal Digoxin Diphenhydramine L	Loperamide Meprobamate Methoxyphenamine Nalidixic acid Naloxone Naltrexone Naproxen Niacinamide Nifedipine Norethindrone D-Norpropoxyphene	Quinidine Quinine Ranitidine Salicylic acid Serotonin Sulfamethazine Sulindac Tetracycline Tetrahydrocortisone, 3-Acetate Tetrahydrocortisone,
Benzoic acid	Estrone-3-sulfate	Noscapine	(β-D-glucuronide)

D.L-Octopamine Benzphetamine Erythromycin Tetrahydrozoline Bilirubin Fenoprofen Furosemide Oxalic acid Oxolinic acid Thiamine Thioridazine Deoxycorticoste Caffeine Gentisic acid Oxymetazoline D,L-Tyrosine Hemoglobin Hydralazine Hydrochlorothiazide Papaverine Penicillin-G Tolbutamide Chloralhydrate Chloramphenicol Perphenazine Trifluoperazine Chlorothiazide Hydrocortisone Phenelzine Trimethoprim D,L-Chlolrpheniramine Chlorpromazine O-Hydroxyhippuric acid 3-Hydroxytyramine L-Phenylephrine β-Phenylethylamine Tyramine D,L-Tryptophan . Chlorquine Phenylpropanolamine D,L-Isoproterenol Urine acid Cholesterol Isoxsuprine Prednisone Verapamil Clonidine Cortisone Ketoprofen Labetalol D,L-Propanolol L-Cotinine Zomepirac D-Pseudoephedrine

From the results above, it is clear that One Step Multi-Drug Urine Test T-Cup resists well against interference from these substances.

Effect of Urinary Specific Gravity

5 urine samples with density ranges (1.000-1.035) are collected and spiked with each drug at 50% below and 50% above cutoff level. One Step Multi-Drug Urine Test was tested in duplicate. 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 4 to 9 in 1 pH unit increments and spiked with morphine at 50% below and 50% above cutoff levels. One Step Multi-Drug Urine Test was tested in duplicate. The result demonstrate that varying ranged of PH do not interfere with the performance of the test.

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MEANING OF SYMBOLS ON PACKAGE



Keep away from sunlight



Store between 4°C and 30°C



Keep dry



Do not re-use

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