



Multi-Drug & Single-Drug Screening Test (URINE)

Rapid Test Solutions for Drug Detection via Urine

Test kits provide reliable and rapid solutions for detecting drugs through urine, making them an effective tool in both security and rehabilitation settings. These advanced immunological tests simultaneously and qualitatively detect drugs and their metabolites in urine. Urine test kits are ideal for determining both past usage and current substance influence, making them powerful across a wide range of applications.

Rapid Immunological Urine Tests

Urine testing is a reliable and sensitive screening method that allows for the quick detection of drugs ingested by the body. It is designed to be extremely easy to use and provides results within minutes. The test delivers accurate results in a short time, enabling quick and effective decision-making when necessary. Urine tests, especially as a primary screening tool, offer significant advantages for both security and rehabilitation purposes.



Reliable Results and Easy Application

The drug detection test kits developed for urine stand out for their portability and user-friendly design. They can be easily applied in any condition, providing reliable results instantly. The ease of use ensures rapid and effective results without the need for laboratory settings, offering flexibility for both personal and institutional use.

When used correctly and in accordance with the instructions, the likelihood of false positives or false negatives is very low. For this reason, urine test kits play a critical role in monitoring and security processes.

Rapid, Qualitative, and Retrospective Detection

Urine testing is a highly effective method for detecting various drugs. These tests not only determine if a person is under the influence of substances at the time of the test but also reveal past drug use. By simultaneously screening for multiple substances, the test clearly identifies which drugs are present and provides reliable information for further intervention when necessary.

PARAMETRELER	EŞİK DEĞER (ng/mL)
AMPHETAMINE (AMP)	1000/500/300
METHAMPHETAMINE (MET)	1000/500/300
EXTASY (MDMA)	500
BENZODIAZEPINES(BZO)	300/200
COCAINE (COC)	300/150
OPIATE (OPI)	2000/1000
MARIJUANA (THC)	200/150/50/25
BARBRTURATES (BAR)	300/200
METHADONE (MTD)	300
PHENCYCLIDINE (PCP)	25
K4 SYNTHETIC CANNABTNOID	50/25
TRYCYCIKANTIDEPRESSANT (TCA)	1000

USAGE

1. Collect the urine sample.
2. Open the package.
3. Dip the test kit into the urine container and wait for 30 seconds.
4. Wait for the test lines to appear and read the result at the 5-minute mark. Results should not be interpreted after 10 minutes.



Negative: Two lines appear. One colored line should be in the control region (C), and another distinct colored line should be in the test region (T). This negative result indicates that the drug concentration is below the detectable level.

Positive: Only one line appears. A colored line is visible in the control region (C), but no line appears in the test region (T). This positive result indicates that the drug concentration exceeds the detectable level.

Invalid: No control line appears.



Subject

This report covers laboratory studies and analyses conducted to determine the accuracy rates of the urine drug test kit (TAG-UDK-0012). The objective is to evaluate the test kit's capacity to achieve accuracy rates at specified threshold values.

Test Methods

The test studies were conducted using reference substances with CAS numbers listed in Table 1. These standard substances were prepared as synthetic urine matrix, with negative and positive sample mixtures adjusted according to appropriate threshold values. Samples were prepared at concentrations necessary for validation studies and analyzed. The analyses were performed using a Liquid Chromatography-Mass Spectrometry (LC/MS-MS) device. in the LC/MS-MS analyses, the measured concentrations were found to be consistent with the tested sample matrix and the targeted threshold values, allowing the validation process to proceed. Table 1 details the measured concentrations for each substance and the standards used. The results of the tests indicate that the TAG-UDK-0012 urine drug test kit operates in accordance with the targeted accuracy rates. These findings provide significant evidence regarding the product's reliability and effectiveness.

Notes

The results of this report are prepared as references for product development processes. Test methods were conducted in accordance with current analytical standards.

Measurement Data

The test kits were applied to the samples in accordance with the user manual, and the results were carefully recorded. For each substance, 100 test kits were used, and the results were collected accordingly. The data obtained were analyzed to calculate accuracy rates. The results are detailed in Table 2.

Accuracy (%) =

True Positives + True Negatives

True Positives + True Negatives + False Positives + False Negatives

x 100

Control Study	Sample 0		Sample 1		Sample 2		Accuracy (%)
	Neg	Poz	Neg	Poz	Neg	Poz	
Alcohol (ALC)	100	0	98	2	3	97	97,50
AB-PINACA (ABP)	100	0	99	1	2	98	98,50
Acetaminophen (ACE)	100	0	97	3	2	98	97,50
Amphetamine (AMP)	100	0	99	1	1	99	99,00
α-Pyrrolidinovalerophenone (α-PVP)	100	0	98	2	0	100	99,00
Barbiturate (BAR)	100	0	99	1	1	99	99,00
Buprenorphine (BUP)	100	0	98	2	3	97	97,50
Benzodiazepines (BZO)	100	0	100	0	2	98	99,00
Cathine (CAT)	100	0	99	1	2	98	98,50
Cocaine (COC)	100	0	100	0	1	99	99,50
Cotinine (COT)	100	0	99	1	1	99	99,00
Ethyl Glucuronide (ETG)	100	0	97	3	2	98	97,50
Fentanyl (FYL)	100	0	99	1	1	99	99,00
Ketamine (KET)	100	0	98	2	3	97	97,50
Lysergic Acid Diethylamide (LSD)	100	0	100	0	2	98	99,00
6-Monoacetylmorphine (6-MAM)	100	0	98	2	1	99	98,50
Ecstasy (MDMA)	100	0	99	1	2	98	98,50
Methylenedioxypyrovalerone (MDPV)	100	0	99	1	2	98	98,50
Methamphetamine (MET)	100	0	100	0	2	98	99,00
Morphine (MOP)	100	0	99	1	0	100	99,50
Methadone (MTD)	100	0	98	2	1	99	98,50
Opiates (OPI)	100	0	100	0	0	100	100,00
Oxycodone (OXY)	100	0	98	2	2	98	98,00
Phencyclidine (PCP)	100	0	100	0	2	98	99,00
Pregabalin (PGB)	100	0	98	2	0	100	99,00
Propoxyphene (PPX)	100	0	99	1	1	99	99,00
Synthetic Marijuana (K2)	100	0	98	2	3	97	97,50
Tricyclic Antidepressants (TCA)	100	0	99	1	1	99	99,00
Marijuana (THC)	100	0	100	0	2	98	99,00
Tramadol (TML)	100	0	97	3	2	98	97,50
UR-144 (K3)	100	0	100	0	2	98	99,00

Evaluation of Results

No adverse effect of the sample matrix on the tests was observed. The average accuracy rate of all tests was determined to be **98.60%**. These tests are suitable for use as screening tools for the detection of sedatives, narcotics, stimulants, and drugs.