



PRODUCT CATALOG

Drugs of Abuse and Alcohol Testing • Health Screening

PO Box 296, Excelsior, MN 55331
 888-686-9909 | www.premierbiotech.com





PREMIER CUP Detects the presence of drug metabolites in minutes. Test for up to 15 drugs, alcohol and/or adulterants in urine.

MULTI- AND SINGLE DIPS Detect up to 14 drugs, alcohol and/or adulterants in urine. **Flood-proof label.** Results in 5 minutes.

GAMMA-HYDROXYBUTYRIC ACID Detect presence of GHB in human urine at concentrations from 10 µg/mL to a maximum of 50 µg/mL.

Most sensitive K2 test on the market

The Premier Biotech K2/Spice on-site test is the most sensitive K2 screening device on the market, detecting JWH-018 and JWH-073 at 25 ng/mL. The JWH-018 and -073 compounds are used in the majority of K2 products. In fact, 98% of K2 presumptive positive samples tested at a leading lab during 2011 contained at least one of these two compounds.* Premier Biotech K2/Spice also screens for JWH-210, JWH-398, and MAM-2201, giving it the widest range of screened K2 compounds.

Premier Biotech K2 market-leading features:

- **Picks up more compounds than any other K2 on-site test**
- **The most sensitive K2 on-site test – more sensitive than many lab-based tests**
- **The only consistently effective K2 on-site test (see independent studies at right)**

The increased sensitivity of the Premier Biotech K2/Spice test has been established by an additional independent lab. Testing at a confirming lab in New England reported that the Premier Biotech K2/Spice test picked up the presence of K2 or "Spice" at less than 10 ng/mL.



K2 or "Spice" is an illicit drug that is comprised of a mixture of herbs and spices, typically sprayed with a synthetic compound. The most common chemical compounds of K2 include JWH-018 and JWH-073.

Scan for more information
http://premierbiotech.com/k2_tests.html



Independent study demonstrates effectiveness of Premier Biotech K2/Spice Test**

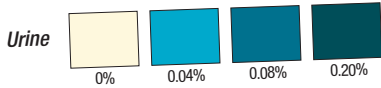
K2 COMPARISON		Premier Bio K2/Spice	Imported K2 product #1	Imported K2 product #2
Control	Conc.	NEG	NEG	NEG
Urine 1	N sample	NEG	NEG	NEG
Urine 2	N sample	NEG	NEG	NEG
Urine 3	N sample	NEG	NEG	NEG
H ₂ O	Tapped	NEG	NEG	NEG
JWH-018	25 ng/mL	POS	NEG	NEG
JWH-073	25 ng/mL	POS	NEG	NEG
MAM2201	100 ng/mL	POS	NEG	NEG
JWH-398	200 ng/mL	POS	NEG	NEG
JWH-210	300 ng/mL	POS	NEG	NEG

	JWH-018 (mg/g)	JWH-073 (mg/g)	CP47,497 (n=8)(mg/g)	JWH-250 (mg/g)
K2 Blonde	12	13	-	-
K2 Standard	9	9	-	-
K2 Citron	10	10	-	-
K2 Summit	11	9	-	-
K2 Pink	11	-	-	-
K2 Latte	16	0.28	-	14
K2 Mint	19	0.30	-	-
K2 Silver	8	-	-	16
Spike Gold	20	11	-	-
Spike Maxx	17	0.07	-	-
Spike Silver	9	16	-	-
Herbal blends*	2.0-35.9	-	1.1-16.9	-

* Norchem Drug Testing evaluation, April 2012 ** Study conducted October 3, 2012

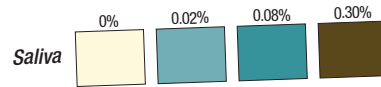
Test for Adulterants & Specimen Validity

Urine adulteration (specimen validity) results in cup and dip test formats are obtained by direct comparison of the colored pads on reacted strips to color blocks on the Adulterant Color Chart. Adulterated urine will show result colors similar to those in the "Abnormal" columns of the color chart, either high or low. Unadulterated samples will show strip colors similar to those in the "Normal" column.



Alcohol Color Chart

Alcohol strips must be read at 2 minutes as pad color may change.



Creatinine: Daily creatinine excretion, related to muscle mass of the human body, is usually constant. A urine specimen with creatinine levels of less than 5 mg/dl is an indication of substitution. Although these ranges are affected by age, sex, diet, muscle mass and local population distribution, samples with creatinine level of lower than 20mg/dl should be considered diluted.

Nitrite: Although nitrite is not a normal component of urine, nitrite levels of up to 3.6 mg/dl may be found in some urine specimens due to urinary tract infections, bacterial contamination or improper storage. In the test cup with adulteration nitrite levels above 15 mg/dl are considered abnormal.

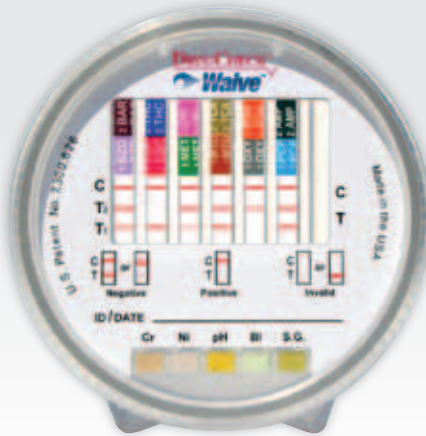
Glutaraldehyde: Glutaraldehyde is not a normal component of human urine and it should not be present in normal urine. The presence of glutaraldehyde in the urine sample indicates the possibility of adulteration. However, false positives may result when ketone bodies are present in the urine. Ketone bodies may appear in urine when a person is in ketoacidosis due to starvation or other metabolic abnormalities.

pH: Normal pH ranges from 4.5 to 8.0 Values below pH 4.0 or above pH 9.0 are indicative of adulteration.

Specific Gravity: Random urine may vary in specific gravity from 1.003 – 1.030. Normal adults with normal diets and normal fluid intake will have an average urine specific gravity of 1.016 – 1.022. Elevated urine specific gravity values may be obtained in the presence of moderate quantities of protein. A urine specimen with a specific gravity level of less than 1.003 can be an indication of substitution. Specific gravity and creatinine values should be considered together to provide a better picture of whether the sample is substituted.

Oxidants: The presence of oxidizing reagents in the urine is indicative of adulteration since oxidizing reagents are not normal constituents of urine. Oxidizing reagents include hydrogen peroxide, ferricyanide, persulfate, and pyridinium chlorochromate.

CLIA-Waived Drug Tests



81205-5

Operator activated

- Two drugs per strip
- Operator activated – activate when ready
- No donor access to test
- Detects 12 drugs and 5 adulterants (OX, SG, CR, pH, NI)

TEST FOR 12 DRUGS (Cutoffs in ng/mL)

Amphetamine	1000	MDMA	500
Barbiturates	300	Methamphetamine	1000
Benzodiazepine	300	Methadone	300
Cocaine	300	Opiates	2000
Oxycodone	100	PCP	25
TCA	1000	Marijuana	50



1. Secure lid

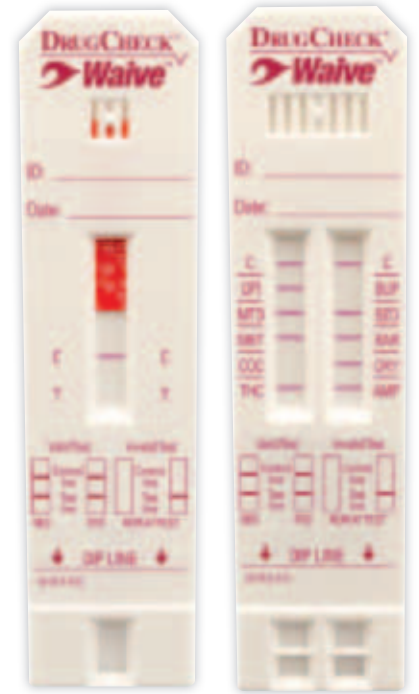
2. Lay cup down

3. Interpret results

Example: Presumptive positive for THC



Buprenorphine Single and 10-panel Dips



CLIA Waived BUP Single Dip #10-BUPT-000

CLIA Waived 10-Panel Dip #10-10BPXT-030

- CLIA-waived buprenorphine (BUP)
- U.S. FDA CLIA waived and 510(k) cleared
- Easy to use: Dip or pipette
- Tamper-proof device
- Results stable for up to four hours
- Greater than 99% correlation to GC/MS
- SAMHSA cutoff levels
- Tested for cross-reactivity against over 600 compounds
- 10-panel CLIA waived dip tests for: OPI, MTD, MET, COC, THC, BUP, BZO, BAR, OXY, AMP

10-panel dip

TEST FOR 10 DRUGS (Cutoffs in ng/mL)

Amphetamine	1000	Methamphetamine	1000
Barbiturates	300	Methadone	300
Benzodiazepine	300	Opiates	2000
Buprenorphine	12.5	Oxycodone	100
Cocaine	300	Marijuana	50

Oral Fluid Drug Tests

Collect sufficient sample the first time with the first ever sponge saturation indicator!

- Patent pending
- Single drug per strip
- Exclusive tests not available in any other device
- Detects up to 12 drugs simultaneously
- Tamper evident and air tight to retain remaining saliva for laboratory confirmation
- Magnification windows for clear results
- **MADE IN THE USA**

Oral Fluid Collector (Sponge)

Studies have proven:

- Highest rate of drug recovery without buffer
- Highest, most consistent rate of absorption
- Reduces viscosity of saliva for faster, more consistent results



SALIVA CUTOFFS	
Alcohol (ALC)	.02%
Amphetamine (AMP)	50
Benzodiazepines (BZO)	10
Buprenorphine (BUP)	5
Cocaine (COC)	20
Cotinine (COT)	50
EDDP	20
Ketamine (KET)	50
Marijuana (THC)	12 50*
Methadone (MTD)	30
Methamphetamine (MET)	50
Opiates (OPI)	40
Oxycodone (OXY)	20
Phencyclidine (PCP)	10
Propoxyphene (PPX)	50

All cutoffs in ng/mL except alcohol
*Parent

Sponge Saturation Indicator

Typical time-determined collection methods are often ineffective when donors are smokers or users of certain prescription drugs, which can cause severe dry mouth. The Premier Biotech sponge saturation indicator activates when sufficient sample has been collected.

- Reduce the cost of wasted devices due to insufficient sample common with other oral fluid tests
- Collectors invest only the time necessary to gather the sample and not a minute more

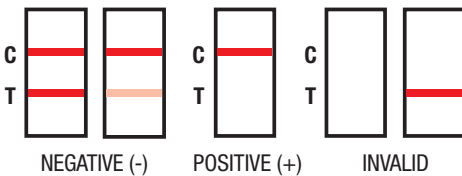
SPONGE SATURATION INDICATOR



Market-leading drug cutoffs:

- Cotinine: 50 ng/ml
- EDDP: 20 ng/ml
- Ketamine: 50 ng/ml
- Methadone: 30 ng/ml
- Buprenorphine: 5 ng/ml

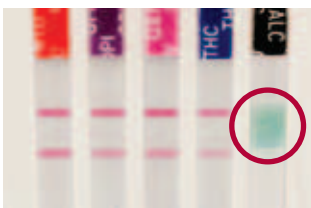
Results interpretation



EXAMPLE:
Presumptive
positive for
cocaine (COC)

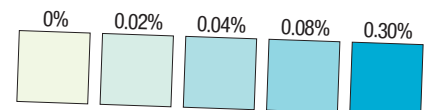


EXAMPLE:
Presumptive
positive
alcohol



Saliva Alcohol Color Chart

Alcohol strips must be read at 2 minutes as pad color may change.



AnemiaCheck™ POC Quantitative Hematocrit Test



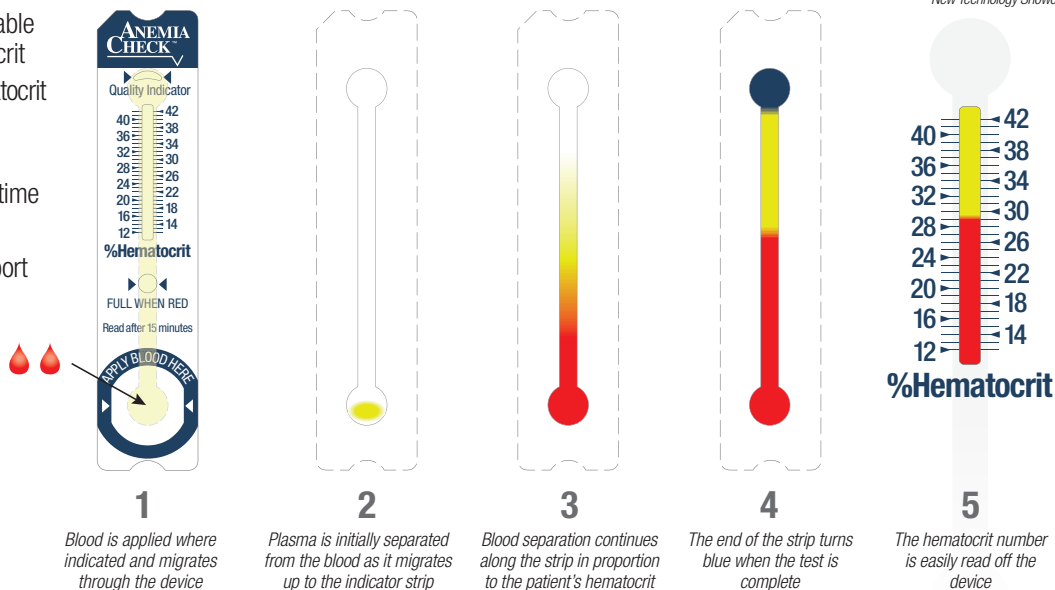
NEW!

- Simple finger stick procedure
- Hematocrit level easily read on scale printed on device
- Results comparable to spun hematocrit
- Detect low hematocrit
- Hemolysis-free technology
- 15 minute read time
- CE marked
- Available for export January 2013

The AnemiaCheck™ POC Quantitative Hematocrit Test is an entirely self-contained, disposable device designed to separate red blood cells from plasma using specialized filtering materials. The device allows the user to view the migration distance of red blood cells into the filtering materials. This distance of migration

is proportional to the hematocrit (Hct) of the blood sample. A scale on the device indicates red blood cell migration distance, with the interpreted result equal to the hematocrit of the blood sample. No instrumentation is required.

NOT AVAILABLE IN THE U.S.



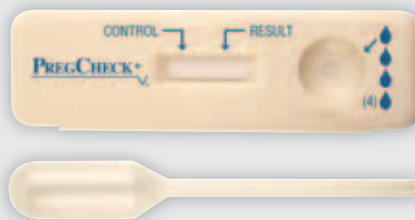
NEW!



HealthCheck Cup

HealthCheck Cup is a one-step device used to screen human urine for diagnostic chemical markers. Simply add specimen to the cup. Pads on the strip react with urine and display color that can be compared to the provided color chart to determine the level of leukocytes, nitrite, urobilinogen, protein, pH, blood, specific gravity, ketone, bilirubin, glucose, and microalbumin.

FORENSIC USE OR EXPORT ONLY



PregCheck™ Early Pregnancy Test

The PregCheck+ Early Pregnancy Test is designed for the rapid determination of human chorionic gonadotropin (hCG) in human urine or urine/serum, for professional use in obtaining a visual qualitative result for the detection of pregnancy. Four drops of specimen are dropped in the sample well of the cassette. Results are read at 5 minutes.

PregCheck+ Urine (25 per box) #PC80100
PregCheck+ Urine/Serum (25 per box) #PC80200

FDA 510(k) and CLIA waived

HealthScreen-10 Urine Reagent Strips

#UC81200 (100 strips per bottle)

HealthScreen-10 is a reagent strip used to screen human urine for diagnostic chemical markers. In less than 1 minute, pads on the strip react with urine specimens and display color that can be compared to the provided color chart to determine the level of leukocytes, nitrite, urobilinogen, protein, pH, blood, specific gravity, ketone, bilirubin, glucose.

CLIA waived

UrinCheck™ ADT-7 Drug Adulteration Test

#UC81100 (25 strips per bottle)

UrinCheck™ ADT-7 is a rapid test for the determination of diluted or adulterated urine specimens. Read results by comparing colors on the test strip's reactive pads to the color chart on the bottle. A central pre-screen for any drug-testing program, UrinCheck™ ADT-7 tests for creatinine, nitrite, glutaraldehyde, pH, specific gravity, oxidants/bleach, pyridinium chlorochromate.



NEW! Evidential Breath Alcohol Test

FDA 510(k) cleared

#AlcoCheck FC300e

FC300e Fuel Cell (AT576)

- Evidential breath alcohol test
- European fuel cell sensor: 3/4" (19mm)
- Detect: 0.00 - 0.50%
- Display: 0.00 - 0.30%
- Color change of display if above legal limit
- Available with U.S. and E.U. measurements
- Accuracy: +/- 0.005% at 0.05%
- Memory: 1000 records
- Memory download to PC
- Pro blowing sensor
- Power: 9V battery or DC 12V
- CE marked
- OPTIONAL PORTABLE PRINTER AND CABLE



FC90 Fuel Cell (AT578)

DOT approved • FDA 510(k)

- European fuel cell sensor
- Accuracy: +/- 0.005% at 0.05%
- Memory: 5 records
- Testing time: 10 seconds
- Audible alarm if above 0.05%BAC
- Advanced blow flow detection
- Comparable in price to semiconductors but more accurate
- CE marked



#AlcoCheck FC90

Breath Alcohol Screen



- Pass/fail design detects alcohol at specific threshold levels
- Available in three threshold levels: .02, .04, .05, and .08
- Compact, plastic tube construction allows test to be carried anywhere
- Disposable

40902 .02 AlcoCheck (25 per box)
40904 .04 AlcoCheck (25 per box)

40905 .05 AlcoCheck (25 per box)
40908 .08 AlcoCheck (25 per box)



SC100 Semiconductor

- Semi-conductor oxide sensor
- Precalibrated, easily replaceable sensor module
- Onboard memory
- 1 year warranty — CE marked
- Auto power-off
- Forensic use or export only

#AlcoCheck SC100

Mouthpieces



- For use with all AlcoCheck[®] digital breath alcohol devices #ATA-010
- 1 unit (package) = 100 pieces



40900

Saliva Alcohol

**FDA 510(k) •
CLIA Waived • OTC**

- Gender-neutral, observed collection
- Results in 2 minutes
- Indicates recent alcohol consumption
- Easy interpretation
- Made in the USA

Saliva and Urine Alcohol



QED A150

QED A150 Saliva Alcohol

CLIA waived and DOT approved

- Quantitative results in 2 to 5 minutes
- Reads like a thermometer
- Long shelf life
- Built-in quality control spot
- High correlation to blood analysis for alcohol
- Non-invasive



AlcoScreen O2

Alco-Screen O2 Saliva Alcohol

DOT approved

DOT approved for required testing of all transportation and safety-sensitive employees for blood alcohol concentrations above the federally mandated zero tolerance level of 0.02%

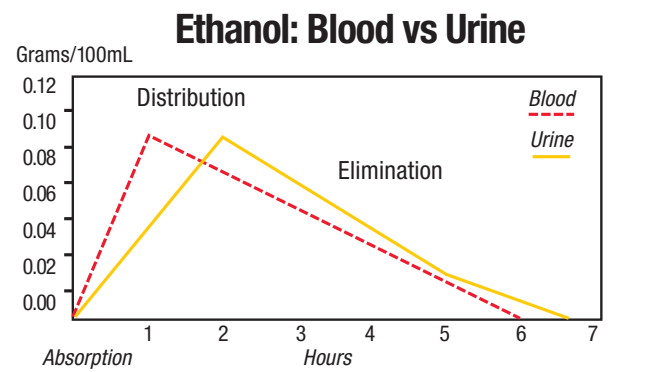
- Positive: Above 0.02%
- Negative: Less than 0.02%



Urine Alcohol Facts

Urine Alcohol

Absorption of alcohol into the body begins in the proximal small intestine and is distributed throughout the entire fluid space of the body. Once equilibrium has been reached, alcohol will be found in all tissues of the body in proportion to their water content. Urine is the most practical specimen for alcohol testing in the workplace, specifically when the purpose of testing is to demonstrate that alcohol consumption has occurred. Peak urine alcohol levels are reached 45 to 60 minutes after alcohol ingestion, when they are typically about 1.3 times greater than the blood alcohol concentration. This ratio is only valid during the elimination phase, which occurs after the blood alcohol level has peaked and is decreasing. Alcohol may be detected in urine 1 to 2 hours longer than it is detected in the blood.



Urine Alcohol Testing: Available in DrugCheck® cup and dip devices

When urine is used as a specimen for alcohol testing, employers and medical review officers (MROs) should consider the following points:

- When a subject uses alcohol, the level in the bloodstream rises during the absorptive phase (alcohol being absorbed from the intestine), plateaus during the distribution phase (ethanol is equilibrating with tissue) and falls during the elimination phase (kidneys are excreting ethanol into the urine).
- During the elimination phase, the average person eliminates approximately .015 to .02 g/100 mL per hour (equivalent to one beer per hour).



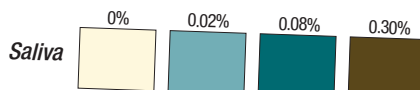
Example:
Negative alcohol

Example:
Positive alcohol



Alcohol Color Chart

Alcohol strips must be read at 2 minutes as pad color may change.



Delivering Flexible Testing and an Unprecedented, Personalized Customer Experience

Premier Biotech is a supplier of top quality, custom manufactured point-of-collection tests (POCT) in the screening of drugs of abuse and alcohol. In addition to our full line of urine cups and dips, and oral fluid tests, Premier Biotech delivers one of the most innovative, comprehensive, and flexible testing menus. Premier Biotech has developed exclusive products for drugs of abuse testing in urine and saliva. Premier Biotech has established a position as an industry leader by focusing on delivering tests that are MORE ACCURATE, RELIABLE, SENSITIVE, and FASTER than the competition. Premier Biotech serves a variety of markets, including pre-employment, departments of corrections, pain management, and roadside testing.

At Premier Biotech, we provide cutting edge point-of-collection testing for drugs of abuse and alcohol, while delivering an unprecedented, personalized customer experience.



AVAILABLE DRUG TESTS AND CUTOFFS

Test Strip	Drug	FDA Cleared	Forensic use or export only	
		Urine	Urine	Saliva
	Alcohol	–	0.04%	0.02%
	Amphetamine	1000	300, 500	50
	Barbiturate	300	–	50
	Benzodiazepine	300	200	10
	Buprenorphine	10	–	5
	Clonazepam	–	300	–
	Cocaine	150, 300	–	20
	Cotinine	–	200	50
	EDDP/Methadone	–	100	20
	Fentanyl	–	10	–
	GHB	–	10, 50	–
	K2/Spice	–	25	–
	Ketamine	–	1000	50
	Marijuana	50	25, 300	12, 50 (parent)
	MDMA/Ecstasy	500	–	–
	Methadone	300	–	30
	Methamphetamine	500, 1000	300	50
	Opiates	300, 2000	100, 3500	40
	Oxycodone	100	–	20
	Phencyclidine	25	–	10
	Propoxyphene	300	–	50
	Tramadol	–	100	–
	Tricyclic Antidepressants	1000	–	–

All cutoffs ng/mL except GHB (mg/mL) and alcohol (% BAC)