

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Solicitation

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NUMBER DJ\$010355 PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF

TARA LYLE 304-558-2544

DIVISION OF JUVENILE SERVICES

VARIOUS LOCALES AS INDICATED BY ORDER

REQ COPY
TYPE NAME/ADDRESS HERE
PREMIER BFOTECH, IAC
POBUX 296
EXCELSFOR, MN 55331

DATE PRINTED 08/01/2012

08/14/2012

BID OPENING TIME

1:30PN

BID OPENING DATE:	08/14/	2012	BID	OPENING TIME	1:30PM
LINE	QUANTITY	UOP CAT. NO.	ITEM NUMBER	UNIT PRICE.	AMOUNT
	SEE ATTACHED		JM NO. 4		
		END OF A	DENDUM NO. 4		
0001	Li con l	LS	961-48		
ta	1 DRUG TESTING	SERVICES			
	***** THIS	IS THE E	ND OF RFQ DJS010		
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				,	W PURCHASING DIVISION

TILE CLUCIO Species TELEPHONE COSC. SUR SER FEIN 27-6962878 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: DJS010355

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

(Check the bo	ox next to each addendur	n received	1)	
$[\checkmark]$	Addendum No. 1	[]	Addendum No. 6
[[]	Addendum No. 2	[,]	Addendum No. 7
[]	Addendum No. 3	1]	Addendum No. 8
[\sqrt]	Addendum No. 4	[1]	Addendum No. 9
[]	Addendum No. 5	1]	Addendum No. 10

Addendum Numbers Received:

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company
Cerce Splage

Authorized Signature

8/13/17

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 6/8/2012

	Bid	Form - Revised 8/	1/12	
tem #	Description	Yearly Estimated Quantity	Unit Price	Extended Amount
1	11 panel(C) Urine CUP	3500	#3.81	\$13,335.00
	11 panel(C) Oral 10 PANEL W/WZINE	1500	æ9,95	\$14,975.00
3	6 panel Oral Synthetic W/KJON SEDE	500	# 10.50	\$5,250.00
4	6 panel Urine Synthetic Cup	500	#6.45	\$3,235,00
5	Confirmation for 6 panel Oral	50	NA	0
6	Confirmation for 6 panel Urine	50	n/A	0
7	Onsite Training per the specifications	1	NA	O
8	MRO or Lab Rep as Expert Witness	5	ALA	0
	Failure to use this form may result in disqualification		GRAND TOTAL:	\$36,735.00
	Bidder/Vendor Information: 433/0450/			
	Name: FREMIER BFOTECH			
	Address: PO BOX 3960 CXC813 FRR MO 553	2 /		
	CALCUSTON	21	CC -/ M2 -/	103
-	Phone and Fax Nos.: 888-686-9909 Email Address: C3Pragis@Premi	0-6:00	88-600-11	0/
	Authorized Signature:	C (1) 07	ech, com	

ADDITIONAL PRICING OFFERED

Premier Biotech has the ability to provide to DJS either an 11 panel on-site dip test as well as an 11 panel an on-site 11 panel all inclusive cup. DJS had also stated in the questions and answers that they were looking for a 4 panel and 6 panels drug screens. The pricing is provided below:

URINE DIP TEST PRICING:

11 Panel on-site dip test: \$3.25/device, minimum order 25 tests

6 panel on-site dip test: \$1.75/device, minimum order 25 tests

4 panel on-site dip test: \$1.20/device, minimum order 25 tests

K2/Spice single dip test, may be purchased separately for \$4.00/device, minimum order is 25 tests

ALL INCLUSIVE URINE CUP PRICING:

- 11 Panel cup: \$3.81/cup, minimum order 25 tests*
- 11 Panel cup to include K2: \$7.75/cup, minimum order 25 tests
- 6 panel cup: \$2.65/cup, minimum order 25 tests*
- 6 Panel cup to include K2: \$6.45/cup, minimum order 25 tests
- 4 Panel cup: \$2.30/cup, minimum order 25 tests
- 4 panel cup to include K2: \$5.65/cup, minimum order 25 tests

NOTE: Sample Validity Test for Creatinine, Specific Gravity and pH can be added to any cup for an additional: \$.45/device

*As quoted on price guide included in RFP

ORAL FLUID ON-SITE DEVICES:

- 10 Panel devices: \$9.95/tests, minimum order 25 tests
- 6 Panel devices: \$6.50/test, minimum order 25 tests
- **K2/Spice single urine dip test may be purchased separately for \$4.00/device
- **At this time there are no on-site oral fluid devices available with K2/Spice or any other synthetic drug. We are currently working on developing such a device.

Company Information:

Premier Biotech, Inc is a small, independent, woman owned business whose main offices are based in Minnesota. We have been in business since 2009. Premier Biotech, Inc. is a provider of quality, innovative drugs of abuse and alcohol screening devices. We offer an extensive and flexible range of products from a single dip tests for 16 individual drugs to multi panel cards and multi panel cups that test for a vast range of drugs simultaneously. With the wide range of the products we offer and the extensive knowledge of our staff in the drug of abuse screening industry, we have successfully developed programs with many state and local government agencies.

Premier Biotech is focused on delivering cutting edge technology in drugs of abuse testing. We are one of the first in the market to offer an onsite single screen for K2/Spice in urine. We offer this in a single format as well as in several multi panel cups and dip tests. It is not yet available in saliva, but the research is being conducted.

In addition to offering a top quality, innovative, customizable product line, Premier Biotech is committed to delivering exceptional customer experience. At the request of the State, Premier Biotech will set up a custom web based ordering portal designated solely for DJS orders, with links to all training and product information being offered.

Product Specifications:

Levels of Detection for Premier Biotech on-site urine screens cup with K2:

Test	Calibrator	Cut-off (ng/ml)
AMP	d-Amphetamine	1000
BAR	Secobarbital	300
BUP	Buprenorphine	10
BZO	Oxazepam	300
coc	Benzoylecgonine	300
K2/Spice	JWH-018/JWH-073	50
MDMA	3,4- methylenedioxymethamphetami ne	500
MET	d-Methamphetamine	1000
MTD	dl-Methadone	300
OP1300	Morphine	300
OPI	Morphine	2000
OXY	Oxycodone	100
PCP	Phencyclidine	25
PPX	Propoxyphene	300
TCA	Nortriptyline	1000
THC	11-nor-9-THC-9-COOH	50

Premier Biotech's cup with K2 is an all inclusive device with all drugs clearly marked and housed in individual channels. They are an immunoassay based screen for drugs of abuse that meet SAMHSA cut off levels. All strips have a built in control to help ensure device is functioning properly. A temperature strip is included on all cups. We have the ability to modify to the screens to DJS's needs. Alcohol can be added to any device for an additional charge.

Levels of Detection for Premier Biotech on-site urine screens dip tests (K2 not included):

Test	Calibrator	Cut-off (ng/ml)
AMP	d-Amphetamine	1000
BAR	Secobarbital	300
BUP	Buprenorphine	10
BZO	Oxazepam	300
coc	Benzoylecgonine	300
MDMA	3,4- methylenedioxymethamphetami ne	500
MET	d-Methamphetamine	1000
MTD	dl-Methadone	300
OPI300	Morphine	300
OPI	Morphine	2000
OXY	Oxycodone	100
PCP	Phencyclidine	25
PPX	Propoxyphene	300
TCA	Nortriptyline	1000
THC	11-nor-9-THC-9-COOH	50

Premier Biotech's dip test is card like device with all drugs clearly marked and housed in individual chambers. They are an immunoassay based screen for drugs of abuse that meets the SAMHSA cut-off levels for all drugs. All strips have a built in control to help ensure device is functioning properly.

Levels of Detection for Premier Biotech on-site oral fluid screens*:

Test	Calibrator	Cut-off (ng/mL)
Amphetamine (AMP)	D-Amphetamine	50
Benzodiazepine (BZO)	Oxazepam	10
Buprenorphine (BUP)	Buprenorphine	5
Cocaine (COC)	Benzoyleogonine	20
Cotinine (COT)	Cotinine	50
EDDP (EDDP)	2-Ethyliden-1,5-Dimethyl- 3,3-Diphenylpyrrolidine	20
Ketamine (KET)	Ketamine	50
Marijuana (THC)	11-nor-49-THC-9 COOH	12
Marijuana (THC)	Δ9-THC	50
Methadone (MTD)	Methadone	30
Methamphetamine (MET)	D-Methamphetamine	50
Opiates (OPI)	Opiates	40
Oxycodone (OXY)	Oxycodone	40
Phencyclidine (PCP)	Phencyclidine	10
Propoxyphene (PPX)	Propoxyphene	50
Barbiturate (BAR)	Barbiturate	50

Premier Biotech's Oral Detect product is an innovative one step saliva drug screen that has the ability to test up to 10 drugs simultaneously, with all drugs clearly marked and housed in individual channels. Each strip has a built in control to ensure the test is functioning properly. There is no need for additives or buffer solution. The Oral Detect can be modified to meet DJS's needs.

Qualifications of Offeror:

Premier Biotech, Inc has been working successfully with several Nationwide Accounts, several well known staffing agencies, as well as many individual federal, state and local government agencies. Premier Biotech is in process of applying for a GSA contract which in turn will enable us to work with MMCAP facilities as well.

Premier Biotech takes the needs of its customers very seriously and works diligently to meet and exceed their customer needs. References will be supplied upon request of the State.

^{*}Please note that at this time K2 is not available in on-site saliva testing. We are still in the development stages.

General Terms and Conditions:

- Contractual Agreement: Premier Biotech agrees that any Purchase Orders issued and signed by the Purchasing
 Division Director or his designee, and approved as to form by the Attorney General's Office is acceptance of this
 Contract, and that Premier Biotech's signature on this bid signifies that we accept the terms and conditions of this
 Contract.
- 2. Definitions: Premier Biotech understands all definitions given
- 3. Contract Term; Renewal; Extension: Premier Biotech understands this is Contract is a one year contract, and is limited to two successive one year extensions. And that with the sole discretion of the Purchasing Division Director, the contract may be extended for a reasonable time after initial contract term as may necessary to obtain a new contract or vendor
- 4. Quantities: Premier Biotech understands that the quantities listed in this Solicitation are only approximations and the Contract shall cover the quantities actually ordered and delivered to the agencies.
- 5. Pricing: Premier Biotech agrees that the pricing set forth in this Contract is firm for the life of the Contract, unless specified elsewhere in the Solicitation/Contract. It is also understood that any inclusion of price adjustment provisions may result in disqualification.
- 6. Emergency Purchases: Premier Biotech understands and agrees.
- 7. Required Documents: Premier Biotech will supply all documents at the time the State requests
- 8. Litigation Bond: Premier Biotech understands and agrees
- 9. Alternates: Premier Biotech understands and agrees that all products bid within this solicitation will be provided as specified and if at any time a substitution would be required prior authorization will be obtained from the State.
- 10. Exceptions and Clarifications: Premier Biotech understands and agrees
- 11. Liquidated Damages: Premier Biotech understands and agrees
- 12. Acceptance/Rejection: Premier Biotech agrees that the State has the right to accept or reject any bid and that the signature on this bid is acceptance of the terms and conditions within this Solicitation and is bound by the terms of the contract as reflected in the Purchase Order, upon receipt.
- 13. Registration: Premier Biotech is registered and has paid the applicable fees.
- 14. Communication Limitations: Premier Biotech agrees and understands there has been no communications with any State employees regarding this Solicitation other then except through the Purchasing Division.
- 15. Funding: Premier Biotech understands and agrees
- 16. Payment: Premier Biotech understands and agrees that payment may only be received after product has been shipped and invoice has been sent to appropriate facility.

- 17. Unit Price: Premier Biotech agrees that the unit price in this Solicitation will prevail in all matters
- 18. Delivery: Premier Biotech agrees all quoted prices include UPS Ground shipping charges. Any express shipping requested by the State will incur additional shipping fees.
- 19. Interest: Premier Biotech understands that the State will not pay interest fees.
- 20. Preference: Premier Biotech understands and agrees. No preferences are being requested
- 21. Small, Woman-Owned, or Minority-Owned Business: Premier Biotech is a Woman-Owned business, but has not at this point, received certification as such from any government agency.
- 22. Taxes: Premier Biotech understands that all taxes are the responsibility of the Vendor
- 23. Cancellation: Premier Biotech understands and agrees.
- 24. Waiver of Minor Irregularities: Premier Biotech understands and agrees.
- 25. Time: Premier Biotech agrees
- 26. Applicable Law: Premier Biotech understand and agrees
- 27. Compliance: Premier Biotech acknowledges that by signing this bid it understands and will comply with all applicable, federal, state and local laws
- 28. Prevailing Wage: Not applicable, Premier Biotech does not have any subcontractors.
- 29. Arbitration: Premier Biotech understands and agrees.
- 30. Modifications: Premier Biotech understands that this writing is the final expression of intent and that no modifications may be made without the written approval from the Purchasing Division and the Attorney General's office. The Vendor will not implement any changes until such written approval has been obtained
- 31. Waiver: Premier Biotech understands that any waiver of the provisions in this Contract must be submitted in writing and be signed by the waiving party
- 32. Subsequent Forms: Premier Biotech understands and agrees that only the terms and conditions contained in this Contract are binding above all other terms and conditions that may appear on any Purchasing forms received from the state.
- 33. Assignment: Premier Biotech agrees and understands
- 34. Warranty: Premier Biotech warrants that a.) The drug screens it provides DJS will conform to specifications within this solicitation; b.) Will be fit for the purpose intended; c.) all goods will be free from defect in material and workmanship
- 35. State Employees: Premier Biotech understands this contract is not to be used for personal matters by any state employee

- 36. Bankruptcy: Premier Biotech understands and agrees
- 37. HIPPA Business Associate Addendum: Premier Biotech has read addendum and understands, although it does not apply to Premier Biotech as we offering onsite devices
- 38. Confidentiality: Premier Biotech agrees and understands
- 39. Disclosure: Premier Biotech understands that any information submitted with this solicitation will be made public. If any information is confidential it will be marked as such.
- 40. Licensing: Premier Biotech understands and agrees.
- 41. Antitrust: Premier Biotech understands and agrees.
- 42. Vendor Certifications: Premier Biotech agrees that by signing this bid and entering into this Contract, 1.) the bid was made with no prior understanding, agreement or connection with any other agency, company etc submitting a bid for the same supplies. 2.) Premier's bid is fair and without collusion or fraud. 3) This Contract is entered into without prior understanding or connection to any other agency that may be considered violation of law. 4) Premier has reviewed the RFQ, understands the requirements, terms and conditions and other information contained herein. Also that the signature on this bid affirms that no one associated with Premier Biotech has any interest nor shall acquire interest which would compromise the performance of its products.
- 43. Purchase Card Acceptance: Premier Biotech has the ability to accept any major credit (purchase) cards and understands that it must accept the West Virginia Purchasing Card for all orders.
- 44. Vendor Relationship: Premier Biotech understands and agrees that it is to be considered an independent contractor by the State and that all employees no employed or to be employed to work with the State are the sole responsibility of Premier Biotech. None of it's' employees will now or in the future be considered employees of the State.
- 45. Indemnification: Premier Biotech agrees to indemnify, defend and hold harmless the State, Agency, their officers, and employees from and against: 1) claims or losses for services rendered by any of its employees. 2) Claims or losses resulting to any persons associated with the State, by its employees for any publication, translation, reproduction, delivery, performance, use or disposition of data used under the contract in any manner not authorized in the Contract or by Federal or State regulations. 3) Any failure of the Vendor or any of its employees to observe State and Federal laws to include, labor and wage and hour laws.
- 46. Purchasing Affidavit: Premier Biotech has signed and returned the required Purchasing Affidavit
- 47. Additional Agency and Local Government Use: Premier Biotech understands that this Contract will extend to other agencies other the DJS and is happy to extend the pricing, terms and conditions to those other agencies.
- 48. Conflict of Interest: Premier Biotech agrees. There are no conflicts of interest and if any shall arise the State will be notified immediately.

49. Background Check: Premier Biotech understands and agrees. It will have no reason to be on the State grounds or to have access to any sensitive information. This response is solely for onsite drug screen devices to be performed on premise by DJS.

THC			
11-nor-D9-THC-9- 000H	50	09-tetrahydrocan- nabinol	5,000
11-hydraxy-D9-THC	1,000	Cannabinol	10,000
08-tetrahydrocan- nabinol	5,000	Carnabidiol	>100,000
Tricyclic Antide- pressant			
NortriptVine	1,000	Promazine	1,500
Nordoxepin	2,000	Designamine	400
Trimipramine:	2,000	Doxepin	3,000
Amitriat/line	1.500	Magrotifne	2.000

d Interference

The following compounds were evaluated for potential postive and/ or negative interference with the Premier Oup. All compounds were dissolved in the drug control solutions with 50% below and 50% above outful concentrations and tested with Premier Oup. An unable of sample was used as a control.

No positive interference or negative interference was found for the following compounds when tested at concentrations up to 100 mg/ml. Accumandation (17) following the following following the following foll olion Acetamino Acetamino Acetylsalicylic acid Ampicilio Assorbic Acid Pheriotriaane 14 Thenylephine b Pherylethylamine Procaine Pseudoephedrine Ouriddne Bantidne Furosemide Glucose Gusiscol Glyceryl Ether Hamoglobin Luprolen (+7-)-Isoproterenol Ketamine Aspartame
Asparin
Asparin
Athorine
Behnocaire
Behnolin
Caffeine
Onlorguine
(+)-Onlorphenizamine
(+)-Onlorphenizamine
Onlorguine Riboflavin Sertraline Sodium Onloride Sulindat Ketamine Levorphanol Lidocaine Myoglobin (+) Naproxen Naproxen Sulndar Treophyline Tyramine 4-Dimethylaminoan-toyrine (IR 2S) (3-N Methyl-Ephedhre Nootine (+/-)-Norephedrine Oxalic April Penicilin G

e.Effect of Specimen pH

Drug sample solutions with 50% below and 50% above out off concontrations were adjusted to pH 4.9 and tested using Premier Cup. An unaitered sample was used as a control. The results demonstrate that varying ranges of spoomen pH do not interfere with the performance of the test.

f.Effect of Specimen Specific Gravity

Drug sample solutions with 50% below and 50% above out-off concentrations were adjusted to specific gravity 1,003-1,04 and tested using Premier Cup.

An unaftered sample was used as a control. The results demonstrate that varying ranges of specimen specific gravity do not interfere with the performance of the test.

ADULTERATION TESTS

ADULTERATION TESTS
Specimen valdy dualizeration tests are not in vivo diagnostic assays.
Therefore, information regarding these tests is not subject to RIA review.
Adulteration of urine samples may cause errorious results in a drug
of abuse test by either inferiency with the drug screening test article's
destroying the drugs in the urine Diution of urine with visite is protectly
the simplest internet adulteration mention. Beach, virgosit, que drugs, sodium
bica bonde, sodium mittle, Dram, soft drivis and hydrogen personde are
examples of a bitmarts used an adulterate urine samples. It is important to
insure the integrity of urine samples in drugs of abuse testing.

insize the integrity of urine samples in drugs of abuse testing. The Premier Oup with adulteration best is based on the color response of chemical indicators in the presence of adulteration Creatinine (CR), in the MI, pit Liberthroudest (QX), specific grayify (SX) and global delaysis. (QX) are tested to determine the integrity of urine samples. CR. Creatinine reads with a creatinine indicator in an alkaline medium to firms a purplish-brown opin complex. The color intrainsy is directly proportional to the concentration of creatinine. A urine sample with a creatinine concentration of less than 20 mg/stl. is indicative of adulteration.

N Number reachs with the reagent's aromatic amine to form a diagonium sait which outples with an indicator to yeld a prik-red flyuple color complex. Aurie sample outraining intrite at a level greater than 15 mg/ dl is considered adulterated.

pH. The pH determination of urine sample is based on color change of indicator in an acidic or basic medium. Normal urine pH ranges from 4 to 9.4 urine pH the ovi4 or above 9 indicates adultoration with acid or base to the sample.

OXB: Beach or other oxidizing agents react with an oxidant indicator to form a color complex. Observation of a blue-green, brown, or orange color indicates adulteration with bleach or other oxidizing agents.

S6. The spoof or grafy test is based on the pila change of cortain pretreated polyeischrolytes in relation to the lone concentration. In the presence of an inducato, the olios changes from cark thus to thoughen unline of low ionic concentration to green and yellow-green in urine of bigler in indirect control control to green and yellow-green in urine of bigler in indirect control control

exame i usu a sur suera arroma.

Qui Gutarásé ples a ret a morre d'origonest d'human une and t' should not be present in normal une. The presence of glutara delipte in the une sample in duces the possibility of adultation of heavent, fass positivas may result un'en habre tout a sie present in the un'er. France bodes may appear une viera la person in interactions due to standation or orientations alternatives.

ASSAY PROCEDURE FOR ADULTERATION TEST

Preparation

- if specimen, control, or test devices have been stored at refrigerated temperatures, allow them to warm to room temperature before testing
 Do not open test device pouch until ready to perform the test.

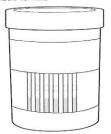
Testing (Please refer to the color chart)

Semi-quantitative results are obtained by visually comparing the reacted color books on the adulteration strips to the printed color blocks on the color chart. No instrumentation is required.

- 1. Remove the test cup from the sealed pouch.
- Hand the cup to the individual being tested.
- 3. Collect the urine into the cup. A minimum of 30 ml is recommended.
- Secure the fest device cap to the specimen cup.
- 5. Authorized personnel should remove the tear-off label.

6. Read the admention strop with a minutes. Compare the colors on the adulteration strip to the enclosed color draft if the specimen indicates admentation, refer to your Dug Fire Prot; for guidelines on adulterated specimens if adulteration is indicated, we recommend not to interpret the drug star resurs and either refest the unine or collect another specimen.

Read results of the drugs of abuse tests at 5 minutes. Do not interpret results after 10 minutes.



BIBLIOGRAPHY OF SUGGESTED READING

Baselt, R. C., Disposition of Toric Drugs and Chemicals in Man, Biomedical Publications, Davis, CA, 1982.

rusmanns, tens, IA, 1982.

2. Whe hating for Dougled Assue National leasts on Drog Abuse (NDA).
Research Monograph 73, 1985.

3. Fed Register, Department of Health and Human Services, Mandatory Guidelines
for Federal Moniphilan Drog Tenting Programs, 53, 69, 11970-11979, 1988.

4. Lin, Ry H. and Guideneye, Bruse A., Handstock of Workplace Drog Testing.

ACCO Frees (1998).

S. Gifman, A. G. and Goodman, L. S., The Pharmacological Basis of Therapeutics, eds. MacMillan Publishing, New York, NY, 1980

Manufactured for: Premier Biotech 6630 Lakeway Drive Chanhassen MN 55217

P8112E-FUO February 2012



Premier Cup

FORENSIC USE ONLY

INTENDED USE

The Premier Botech Premier Cup is a one-step immunoassay for the quantative detection of multiple drugs and drug metabolities in human urine at the following outoff concentrations:

Test	Calibrator	Cut-off (ng/ml)
AMP	d-Amphetamine	1000
BAR	Secobarbital	300
BJP	Buprenorphine	10
970	Oxazepam	300
000150	Berzoyfecgonine	150
00C	Benzoylecgonine	300
MOMA	3,4-methylenediosymethamphetamine	500
MET500	d Methamphetamine	500
MET	d-Methamphetamine	1000
MTD	d Methadore	300
0P(300)	Morphine	300
0PI	Morphine	2000
900	Orycodone	100
POP	Phencyclidine	25
OPI OXY POP PPX	Proposyphene	300
TCA	Nortriptyline	1000
THC	11-nor-Δ9-THC-9-COOH	50

The configuration of the financia O promisis of any combination of the drugs listed above. The Premier O prisured to drain a visual, qualitative result and is included for professional use only. This assay provides only a preliminary result. Clinical consideration and professional judgment must be applied to any drug of abuse test result, a producting in evaluating a preminary possible result. In order to drain a confirmed analytical result, a more specific alternative of the analytical result, a more specific above the state of a qualification of the production o

SUMMARY AND EXPLANATION

SUMMARY AND EXPLANATION
Amphetamine/Methamphetamine and their metabolites are
potent central revious system stimulants. André doses induce exploras,
actimuse, and serve of increased energy and power Responses
from chronic use can include anvety, peranoa, psychoto behavior,
and cardiad ophythytmias. Methamphetamine and amphetamine
are excreted in unne as unchanged drug along with deamneted
or hydroglytald deviatives. Methamphetamine alon metabolite to
amphetamine in the body. As a result, unne specimens from most
menamphetamine uses contain both unchanged parent drug and the
amphetamine metabolite.

ampletamine metabolite.

Barthurates are classed as certail arrows system depressants. These products produce a start intoxation that is similar to according to the control of the contro

Representation is a symbol terboline denote that his both are used and good arragonist properties. As an arragosis, it is about 25 to 40 times more potent than recipine. Symptoms of overtiscage include confusion, dizzinasis, proprint pupis, hallucirations, hypotherion, respiratory difficulty sections and control European primery by 11 deally/atom and compassion to form not preprinting (which is primarator) carry active. An arrangosist of Beymony inter-dition, 1974 in a confusion of the proprinting and confusion of occupant of day. 1974 is a firmfact as underriged drug and the activism conjugates and metabolites, with 68% in the foots and 27% in the union.

and measones, with obs in the bosts are 27% in the time. Cocaline is a potent central removal system situation and a local anesthets found in the leaves of the coca print. The psychological choics included by using operations are exprint, or ordinarior and serve of increased energy. These psychological effects are accompanied by increased heart rate, oldston of the polysis, few, thereons and server Cocalin's a corrected in the urine primarily as behavy/degioner in a short

period of time. Bervoyleogonine has a biological haf-life of 5 to 8 hours, which is much longer than that of cocaine (0.5 to 1.5 hour), and can be generally detected for 24 to 60 hours after cocaine use or exposure.

which is much longer than text directing (U.S.D. I.S. hour), and cance generally detected for 24 to 60 hours after cocaine use or exposure.

3.4-methylenedioxymethamphetamine (MDM) is class for as the stand a halubrogal. The methynericamine, adverse effects of 3.4-methylenedoxymethamphetamine use include law dearling, teeting miding, disable purple purple purple purple and the stress of 3.4-methylenedoxymethamphetamine was beart failure or extreme heat struce. 3.4-methylenedoxymethamphetamine is taken only in tablets or capsules and is conceid in until as parent compound methodoxis including memylenedoxymethamphetamine (MDA). Methodoms is a synthetic analysis of duy originally used for the treatment of responsibility or produced and pean management. The psychological effects included by using methodoms are analysis, seation, and respiratory depression. Overdose of methodome may cause come or even dearn Methodoms is before morphine, and cootine, are control remous system (MS) depressants. The use of quatus at high doses produces a specific and respiratory depression controlled by the psychological effects included by the system of th

Obycodone is a semi-symbol opiol with a structural similarity to codeine. It produces potent euphoria, analysis and seadance effects, and less a dependence leithinty smiter to morphine. Obycodone is most often administered only and is metabolized by demethylation to nonexposories and compropriore followed by glucuronisation. The window of detection for copodone in urine is expected to be similar to that of other opioids such as morphine.

Phenyolidine, commonly known as "angel dust" and "orysial options," and an anyolicinely among the stage of th

reprepayment and 0 % discrepapyment. Tetrallydrocanablinol (RFL) is generally accepted to be the principle active component in manuara. When impeded or smoked, it produces explore effects. Abuses which contributions, system effects, alread mode and servery peroptions, loss of confrietion, imperied short firm manning, aneity, paramal, depression, contribution, imperied short firm manning, aneity, paramal, depression, contribution, halloundring and increased heart rate. When manuara is rigissted, the drug is extensively metabolized by the ley, the principle metabolized by the ley, the principle metabolized by the ley. The principle metabolized by the ley, the principle metabolized by the ley, the principle metabolized by the ley. The principle metabolized by the ley, the principle metabolized by the ley. The metabolized by the ley, the principle metabolized by the ley, the le

Integrate you may use an one prysoury or the use. Tricyclic antidepressants (ICAS) have been presorbed for depression and computere disorders. Rescue of the possibility of carriag services acrobic complications. (TOAs can be letted if missed at high cases. ICAs are there may or sometimes by injection. ICAs are metadorized in the liver TOAs and their metadories are excelled in urine (mody) in the form of metadories) for up to be in Gys.

The length of time following drug use of which a positive urine test resulting cour is dependent upon several factors, including the frequency of drug use, amount of drug. The user's metabolic rate, drug experten rate, drug half-life, and the drug user's age, weight, activity and diet.

TEST PRINCIPLE

The Parrier Out is based on the principle of competitive immunohemical reaction between a chemically shalled drug (frug-protein conjugale) and the drug or drug metabolish which may be greater in the unine sample for the limited antibody brinding state. The test contains a introcultione membrane stip price confed with drug protein conjugate in the test region and a god containing colorad antibody-colorads (god conjugate During the list, the unine sample is allowed to migrate upward and rehydrate the antibody-colorad.

gold conjugate. The mixture then migrates along the membrane chromatographically by the capillary action to the immobilized drug-protein board on the last region. When drug is absent in the univer-ted arthody-corriods gold conjugate and immobilized drug-protein bird specifically to form a visible line in the test region as the arthody complexes with the drug-protein.

complexes with the drug-protein. When drug is present in the urine, it will compete with drug-protein for the limited antibody sites. The line or the lest region will become less interes with in creating drug concentration. When a sufficient concentration of drug is present in the urine, it will the limited artibody binding sites. This will prevent absolution of the colored antibody-proteid grid do onlypate to the drug-protein on the test region. Therefore, the presence of the line on the test region indicates a negative result for the drug and the absonce of the list line on the test region indicates a positive result for the drug and the absonce of the list line on the test region indicates a positive result for the drug.

A visible line generated by a different antigen/antibody reaction is also present at the control region of the test strip. This time should always appear, regardless of the presence of drugs or metabolites in the urine sample. This means that a negative urine sample will produce both test line and control line, and a positive urine sample will generate only outrol line. The presence of control line serves as a but in control, which demonstrates that the test is performed properly.

REAGENTS & MATERIALS SUPPLIED

- A 25 individuals sometimes sometimes 25 different 25 individuals wapped ted feetines Each device consists of different test strips in a posset test strip holder. The test strip contains a coloidal gold ped caded with artitody and nebth artitody it also contains a membrane costed with drug-protein conjugets in the test hand and goal and realth artitody in the control train of the device with adulteration test, an adulteration test strip is also included in each device.
- One instruction sheet
- Security sea's (f applicable)
- Adulteration Color Chart (when applicable)
- MATERIAL REQUIRED BUT NOT PROVIDED
- Timer
- Specimen collection container
- External positive and negative controls

WARNINGS AND PRECAUTIONS

- For forensic use only.
- Urine specimers may be potentially infectious. Proper handling and disposal methods should be established.
- Avoid cross-contamination of urine samples by using a new specimen collection container for each urine sample.
- Test device should remain sealed until ready for use
- Do not use the test kit after the expiration date.
- A positive test result does not always mean an individual has taken the drug illegally as the drug can be administered legally.
- Do not store and or expose reagent kits at temperature greater than 30°C. Do not freeze.

STORAGE The Premier Cup should be stored at 2-30°C (36-86°F) in the original sealed pouch. Do not freeze Do not store and/or expose reagent kits at temperature greater than 30°C.

SPECIMEN COLLECTION AND HANDLING

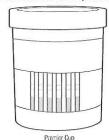
SPECIMEN COLLECTION AND MANULING.
Fresh urine does not require any special handing or pretreatment.
A fresh urine sample should be collected in the container provided.
Alternately, a clean, dry plasts or glass container may be used for specimen collection, if the specimen will not be tested after the specimen collection, the specimen may be refrigerated at 2-6°C up to 2 days or fress are 1-20°C for a longer period of time. Specimens that have been refrigerated must be equilibrated to room temperature prior to testing. Specimens previously frozen must be thewed and mixed throughly prior to testing.

Note, Urine specimens and all materials coming in contact with them should be handed and disposed as if capable of transmitting infection. Acid contact with skin by wearing gloves and proper laboratory attre.

ASSAY PROCEDURE FOR DRUG TEST

- If specimen, control, or test devices have been stored at refrigerated temperatures, allow them to warm to room temperature before testing.
- 2. Do not open test device pouch until ready to perform the test. Testing
- Remove lid test device from the sealed pouch and write donor name or ID on the cap in the section provided.
- 2. Hand the cup to the individual being tested

- Collect the urine into the cup. Ensure the specimen is above the minimum level. A minimum of 30 mt is recommended.
- 4. Secure test device to the filled specimen a.m.
- The cup must be returned immediately to the collector
- Authorized personnel at collection site to remove the tear-off label.
- 7. Read results of test in 5 minutes. Do not interpret result after 10 minutes.

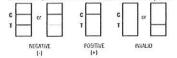


INTERPRETATION OF RESULTS

Negative (-) A colored fine appears at the control region (C) and a colored line appears at the test region (f). The appearance of a control fine and test line indicates a regional test reset for that personal test. The test lines may have varying intensity either weaker or stronger in color than that of the control line.

Positive (4) A colored line appears at the control region no colored line appears at a spooffic drug list region. The complete abscribed a fast intelligence of a fast line indicates a preliminary positive result for fast percluder drug preliminary positive result for a drug indicates that the concentration of that drug in united is at or done the color lived.

Invalid. No colored line appears in the control region, if the control line does not form, the test result is inconclusive and should be repeated.



QUALITY CONTROL

An internal procedural control is included in the test device. A line must form in the Control bend region regardless of the preserve or absence of drugs or metaboties. The preserve of the line in the Control region indicates test sufficient sample volume has been used and that the reagents are migrating properly if the line in the Control region does not form, the lest is considered invalid and must be repeated.

Only te less of the second and a direct repeated that the Premier Op devices be tested using extend controls with each new lot of product and each new styment. Petend controls are available from commenced sources. Additional testing may be necessary to comply with the requirements accreding organizations and/or local, state, and/or federal regulators.

LIMITATIONS OF PROCEDURE

- The assay is designed for use with human urine only.
- A positive result with any of the tests indicates only the presence of a drug/metabolite and does not indicate or measure intoxication.
- There is a possibility that technical or procedural error as well other substances as factors not listed may interfere with the list and cause false results. See SEFCEOUT for lists of substances that will produce positive results, and those that do not interfere with test performance.
- if adulteration is suspected, the test should be repeated with new sample

PERFORMANCE CHARACTERISTICS

A Acquiracy

The accuracy of the Premier Cup was evaluated in comparison to commercially available drug screen tests and GCANS Suby 800 negative urine samples of celectal from presumed non-user volunteers were tested by both Premier Cup, and commercially available drug screen tests.

or occurrence we are unumerously are seeding screen tests of a lower control, which is samples total, all work control, with the as negative by both methods in a separate study, positive urine samples, obtained from direct abordances where the drug concentrations were determined by COMS PR Coff TOX), were bested by Premer Oup and commercial drug screen tests. The results of accuracy study are presented below.

Drug Test		60.MS (<-50% 0.0)	GCMS (-50% C/0 to C/0)	GCA/S (C/O to 450% C/O	50MS 	% Agree ment with GCMS
AMP	(+)	0	0	10	55	98.5
	(-)	15	9	1	0	100
BAR	(+)	0	1	5	83	97.8
	()	15	7	2	0	95.7
BUP.	(+)	0	0	8	35	97.7
	()	18	- 6	- 1	0	100
920	(+)	0	2	13	37	100
	(-)	18	18	0	0	94.7
000150	(+)	0	1	7	60	100
	()	15	10	0	0	96.2
COC300	(+)	0	0	8	71	98.8
	(-)	15	8	1	0	100
MDMA	(+)	0	1	6	37	100
	(-)	24	6	0	0	96.8
MET500: .	(+)	0	2	8	64	100
	(-)	15	4	0	0	90.5
MET1000	(+)	0	0	5	58	98.4
	(-)	20	- 8	1	0	100
MTD	(+)	0	0	6	65	98.6
	()	15	5	1	0	100
0PI300	(+)	0	1	6	77	100
	()	16	6	0	0	95.7
0PI2000	(+)	0	2	9	45	100
	(-)	15	6	0	0	91.3
OXY	(+)	0	2	6	47	100
	(-)	15	6	0	0	91.3
POP	(+)	0	0	4	56	96.8
	(-)	15	4	2	0	100
PPX	(+)	0	0	6	64	98.6
	(-)	10	7	1	0	100
TCA	(+)	0	1	12	9	100
	(-)	23	- 11	0	0	97.1
THC	(+)	0	1	24	32	100
	(-)	15	12	0	0	96.4

B. Precision

A study was conducted at three physician offices and the test of in manufacturer in an effort to determine the precision of the Premier Outpartoes three (g) corecounter days. Esting was conducted on the Amphibamine, Bathardaise, Bertoutlageness, Beprecipiting, Cocarie (col) and 150 assays). More usen, Methardaine (1000 and 500 assays). More usen, Methardaine (1000 and 500 assays). More usen, Methardaine (1000 and 500 assays). Moreover, Precipitatine, Propositione, Opates (2000 and 500 assays). Oproduce, Propositione, Propositione, and Project, Antidepressors assays sold wheelvest our and product to composition the within Amphibamine, Methadoi (Propositione), and Project Antidepressors assays and the Westerland of the product to composition the within Amphibamine, and office and the opposition of the product of the composition of the product of the control of the composition of the product of the control of th

The specificity for the Phenior Cup was determined by tasting various drugs, drug metabolies, and other compounds that are likely to be present in urine. All compounds were prepared in drug-free normal human urine.

The following compounds produce positive results when tested at levels greater than the concentrations listed below.

Amphetamine 1,000 of Memorphetamine 50,00 3 Amphetamine 1,000 of Memorphetamine 50,00 4 Amphetamine 2,500 (4/4)3,4 MOMA 50,00 4 (2) 34 MOM 1,200 (4/4)3,4 MOMA 50,00 5 Sorbestelat 300 (3) Substelat 4 4 Serbadatal 600 (3) Substelat 3 4 Serbadatal 1500 (3) Substelat 4 8 Serbadatal 1500 (3) Pemorbatelat 4 8 Serbadatal 1500 (3) Pemorbatelat 4 8 Serbadatal 150 (3) Pemorbatelat 4 8 Serbadatala 150 (3) Pemorbatelat 5 1 Serbadatala 150 (3) Pemorbatelatala 5 <th>Compound</th> <th>Conc. (ng/ml)</th> <th>Compound</th> <th>Conc. (ng/ml)</th>	Compound	Conc. (ng/ml)	Compound	Conc. (ng/ml)
Sumpristantine	Amohetamine	MARKET MARKET	THE RESERVE	(((19)/(110))
April Apri	d-Amphetamine	1.000	d Methamohetamine	50,00
April Apri	di-Amphetamine	2.500	(+/-)3.4-MOMA	50,000
Sarbiturales Sociolate Absorbital Ab	(+/-)3.4-MDA	1,250	Anna de la la constanta de la	
Serobathal 300 Bubahaha 4				
Amounted 1500 Periodoct total 4 Amounted 3 Amounted 4 Amounted 3 Amounted 4 Amounted 4 Amounted 3 Amounted 4 Amounted	Secobarbital	300	Butabarbital	40
Amounted 1500 Periodoct total 4 Amounted 3 Amounted 4 Amounted 3 Amounted 4 Amounted 4 Amounted 3 Amounted 4 Amounted	Akbabital	600	Sutafbital	30
Amounted 1500 Periodoct total 4 Amounted 3 Amounted 4 Amounted 3 Amounted 4 Amounted 4 Amounted 3 Amounted 4 Amounted	Alpheral	200	Butethal	45
Sachd Serzodiazepines 1500 Serzodiazepines 300 Ruthrarepum 3 300 Ruthrarepum 5 300 3	Amobarbital			40
Bearrodiszepines 300 Punitarzepum 3 Abrasolim 300 Punitarzepum 3 Abrasolim 400 Puzzaropum 3 Obrotasponide 300 Mediensum 3 Obertum 100 Mediensum 3 Obertum 500 Mediensum 3 Obertum 500 Mediensum 1 Obertum 500 Mediensum 1 Obertum 500 Mediensum 2 Statellin Line 400 Mediensum 2 Statellin Line 400 Mediensum 2 Statellin Line 400 Mediensum 2 Statellin Line 300 Mediensum 4 Statellin Line 400 Mediensum 4 Voltuprerophine 100 Mediensum 3 Statellin Line >100 Mediensum Morphine >100 Mediensum 3 Morphine >100 Mediensum 3 Metabolite (150) 300 Sporine methyl >100 Mediensum Soporine 500 Mediensum 200 Mediensum Methamphett-um 500 Medi	Aprobarbital	300	Phenobarbital	45
December 300 Ruthisterpum 3 3 Ruthisterpum 3 3 3 3 3 3 3 3 3		1500		
Johanness Job Medical John				
Johanness Job Medical John	Oxazepam	300	Flunitrazepam	300
Johanness Job Medical John	Altrazolam	400	Purazepani	300 500
Johanness Job Medical John	Bromazepam	250	Lorazepam	50
Additional Section Act Instruction Act	Uniordiazepoinde	300	Medszepam	30
Additional Section Act Instruction Act				- 0
Additional Section Act Instruction Act		150	Nordiazepam Nordiazepam	15
Superiorphile Subsuperiorphile Sub		200	Tom raccom	20
Superiorphile Subsuperiorphile Sub		450	Triandom	45
Buprenophine 10 Buprenophine - 3 10 10 Buprenophine - 3 10	Seta solom	300	THE CAGES	7,0
Sprencyfries 10 Sprencyfries 2 Spr		500		
April	Suprenorphine	10	3 prepophine 2	7.5
April	mpunyae.	10	beta D olucuronida	1
April	Norbuprenorphine	2500	Norbuprenorphine-3-	150
April			beta O glucuronida	
Notestains	Codeine	>100,000		
Cocaline Metabolite (150) Descriptions >100.00 Betrophoporine 5000 Sporphe methyl >100.00 >100.00 Cocaline >100.00 selss Sopprine >100.00 selss Sopprine >100.00 selss Sopprine >100.00 Selss Metabolite (300) Secular (134 MOMA) 2.0 Betraphotomine 5000 (1/34 MOMA) 2.0 Almohatamine >100.00 (1/34 MOMA) 2.0 Almohatamine >100.00 (1/34 MOMA) 50.0 Almohatamine >100.00 (1/34 MOMA) 3.0 Almohatamine >100.00 (1/34 MOMA) 4.0 Almohatamine	Morphine	>100,000		
Metabolite (150)	Nalorphine	10,000		
Seronjeroprine 150 Docartylene >100.0 Cockhe 5,000 Soporities methyl >100.0 Soporities methyl >100.00 Soporities >100.00 Sop				
Scoring				
Scoring		150	Cocaettylene	>100,000
Scoring	Cocaine	5,000	Ecgonine methyl	>100,000
Cocaine Methanophet	Engarina		C2/C>3	
Methadolite (300)	Casalna	>100,000	_	
Second-opcomine	Matabolita (200)		}	
Methamphetamine	Decomplements	200	Crosina	300
amine (500) Heferumphetamine 5000 (H/334 MSMA 2.0 Hemphetamine 50000) Memphetamine 10.0 Hemphetamine 500000 Streetime 50.0 H/334 MSA 50000 Memphetamine 50.0 H/334 MSA 100.000 Memphetamine 50.0 Hetamphetamine 50000 Memphetamine 50.0 Hetamphetamine 50000 Memphetamine 10.0 Hetamphetamine 50000 Memphetamine 10.0 Hemphetamine 50000 Memphetamine 50.0 Hemphetamine 50000 Memphetamine 50.0 Hemphetamine 5000 Memphetamine 50.0 Hemphetamine	Methamphet-	.500	CACCI C	
### ###		1	1	1
Amphetamine \$100,000 Schednine \$50,000 Schednine \$100,000 Sch	A.Mothamohetsmine	500	G / /3 4 4 5 5 14	200
Amphetamine \$100.000 Schednine \$50.000 Schednine \$10.000 Schednine \$10.0	d-Amohetamine	50,000	1-Methamohetamine	10.000
100000 100000 1000000 1000000000		>100,000	Ethedrine	50.000
100000 100000 1000000 1000000000		50,000	Mechantermine	50.000
Methamphetamine	(+/-)3,4-MDA	100,000		-
amine (1000) 4 Metamorbamine 1000 (4/33.4 MOMA 3.0 4 Metamorbamine 50,000 (Metamorbamine 10.0 4 Metamorbamine 50,000 (Metamorbamine 10.0 4/33.4 MOMA 50,000 (Metamorbamine 75.0 4/33.4 MOMA 100,000 MOMA 100,000 (Metamorbamine 75.0 4/33.4 MOMA 500 (4/33.4 MOM 4.0 4/33.4 MOMA 500 (4/33.4 MOM 4.0 4/33.4 MOMA 500 (4/33.4 MOM 50.0 4/33				
Metamorbetamine 1000 (47.83.4 MOMA 30 44.8 MOMA 30 44.8 MOMA 30 44.8 MOMA 30 44.8 MOMA 50.000 (54.64 in				
Amphetament \$100,000 (spherive \$100,000 (sphe		1000	(+/-)3.4-MDMA	3,000
Amphelament 5100,000 Sphelive Spheli	d-Amphetamine	50,000	1 Methamphetamine	10,000
(47)3.4 MDRA 50000 Mighentermine 75.0 (47)3.4 MDRA 100,0000 MDMA 100,0000 MDMA 100,0000 MDMA 4.0 (47)3.4 MDRA 4.0 (47)3.4 MDR		>100,000	Ephedrine	>100,000
MOMA	(+/-)3,4-MDEA	50,000	Mephertermine	75,000
MOMA	(+/-)3,4-MDA	100,000		
(4-1)3.4-MCA 450 Methadone (7-1) Methadone (7-	MDMA			
(4-1)3.4-MCA 450 Methadone (7-1) Methadone (7-	(+/-)3,4-MDMA	500	(+/-)3,4-MDA	4,000
(x/) Memadore 300 Memadol 1,5 Opliates (2000) Washine 300 Hidrocotine 5 Ocidine 250 Memodore 5 Caylmorphine 300 Memodore 5 Ocidine 250 Memodore 5 Ocidine 250 Memodore 5 Ocidine 250 Memodore 5 Ocidine 250 Memodore 5 Ocidine 3 Ocidine 3 Ocidine 5 O	(+/-)3,4-MDEA	450		
Oplates (300)	Methadone			
Maphine 300 Hobrosofone 5 Dodnine 250 Hobrosophore 5 Etylmorphine 300 Morphine 3 Heroin 750 Nitrophine 5,0 Oplates (2000)	(+/-) Methadone	300	Methadol	1,500
Securities Sec	Oplates (300)			
Securities Sec	Morphine	300	Hydrocodone	500
Securities Sec	Occidence	250	Hydromorphone	500
Securities Sec	Ethyknorphine	300	Morphine-3-	300
Oplates (2000) 4.00 Hydroxobre 4.00 Hydroxobre Obdine 2.000 Hydroxobre 5.0 Chylmorphine 1,000 Myphine 3 2.5 Heroin 5,000 Natorphine 5.0 Oxycodore 0xycodore 100 Myphine Oxycodore 100 Myphine >100.0 Hydroxobre 5000 Ozdere 5.0 Hydroxophore 50,000 Natorphine 5.0 PCP PCP Pompydatre 25 Teroxydidne 2.0 PX 2	27 (7)		lok rouronide	
Morphine 2,000 Hydrocobne 4,0 Codeire 2,000 Hydrocophre 5,0 Etylmorphine 1,000 Morphine 3- glurumide 2,5 Accomine 5,000 Natorphine 5,0 Verodore 0 3,000 Natorphine 5,0 Accordore 0 3,000 Natorphine 5,0 Activation 5,000 Codeire 50,0 Activation 5,000 Editive 5,0 Activation 5,000 Natorphine 5,0 Pop 0 0 Popx 25 Tercopdidine 2,0		750	natorphine	5,000
Oxidine Z 000 (ht/damorphine) 5.0 Enylmorphine 1,000 (ht/pries.3) 2.5 Enylmorphine 5,000 (ht/prime) 5.0 discophinosphine 5,000 (ht/prime) 5,0 Oxycodone 000 (ht/prime) >100.0 Oxycodone 100 (Morphine) >100.0 Pubmorphine 50,000 (Nalorphine) 5.0 PCP Phomosphine 2.0 Pox 2 Servoydidine 2.0	Uplates (2000)	0.111		4.00
25 1,000 Morphies 3 2.5 5,000 Morphies 3 5,000 Morphies 3 5,000 Morphies 5,000 Morphie	Morprime	2,000	Hydrocotone	
decomplex Soon So		2,000	Hydromorphone	5,000
	callyamorprane	1,000	of curroids	2,500
	Heroin	5,000	Najorahine	5,000
Oxycodone 0 Accordone 100 Morphine >100.00 Aydrocofone 5000 Zodelee 50.00 Aydrocofone 50.000 Velorythine 5.0 PCP 2 100.000 Velorythine Powy Selfone 25 ferocyclidine 2.0 PX 2 2	(diacety/morphice)	3,000	Take 1 to	3,00
Opcodere 100 Morphine >100.0 4 yldroxdore 5000 Codeire 50,0 4 yldroxdore 50,000 Naturphine 5,0 PCP 25 Terocyclidine 2,0 PPX 25 Terocyclidine 2,0				
PCP Phencyclidine 25 Tenocyclidine 2,0 PPX		100	Mombine	\$100,000
PCP Phencyclidine 25 Tenocyclidine 2,0 PPX		5000	Codeine	50,000
PCP Phencyclidine 25 Tenocyclidine 2,0 PPX	Hydronorphone	50,000	Nakyohine	5,000
Phenoyolidine 25 Tenocyclidine 2,0 PPX	PCP	25,000		
PPX	Phenovidine	26	Terrocyclidine	2,000
	PPX			
d-Proposyphine 300 d-Norproposyphene 3	d-Proposition	300	4.Normoverbera	30

One Step Drug of Abuse Test

(Strip, dipcard, cassette, cup)

Package Insert for Multi Drug Screen Test

This function Sheet is for leading of any combination of the following drugs: AMP EAR BOOCOTH-MITDIMAMS MEMA/MCRON CONTROPTEA Including Advanced their (Specime Wolfey) fields for Outdards (OS), Specific Gravity (S.G), pH, Orealinne (CRE), Nathe (NT) and Glutarablehyde (CU)

For Professional and In Vitro Diagnostic Use Only.

INTENDED USE

The One Step Drug of Abuse Test is a lateral flow dromatographic immunicasisy for the qualitative detection of multiple drugs and drug metabooles in urne at the following out-off concentrations:

Test	Calibrator	Out-off
Amphetamine (AMP)	D-Amphetamine	1,000 ng/mL
Barbturstes (BAR)	Secobartistal	300 ng/mL
Benzodiazepines (BZO)	Oxazepam	300 ng/mL
Cocaine (COC)	Benzoyleogorane	300 ng/mL
Marquana (THC)	11-rer-s*THC-9 000H	50 ng/mL
Methadone (MTD)	Metatore	300 ng/mL
Methamphetamine (mAMP).	D.Methamphetamine	1,000 ng/mL
Methyloredoxytrefterphetymes (MDMA)	D.L. Methylened crymethamphelamine	500 ng/mL
Opiate 300 (OPI 300 MOP MOR)	Morphine	300 ng/mL
Opate 2000 (OPI 2000)	Morphine	2,000 ng/mL
Ovycodone (CXY)	Chycodone	100 ng/mL
Phenoyoliding (PCP)	Phencyclidine	25 ng/mL
Tricyclic Antidepressants (TCA)	Nortriptyline	1,000 ng/mL

This assay provides only a preliminary qualitative test result. Use a more specific elements quantitative analytical method to obtain a confirmed analytical results. Gas of commutographylminas speciativently (GAMS) in the preferred confirmative primote): Apply elicited and professional judgment to any drug of abuse test result, particularly when preliminary positive results are obtained.

SUMMARY AND EXPLANATION OF THE TEST

The One Step Drug of Abuse Test is a competitive immunosorary utilizing highly specific reactions between antibodies and antigens for the detection of multiple drugs and drug metabolites in

The One Step Drug of Abuse Test is a rapid urine screening test that utilizes monoclonal artibodies to selectively detect elevated levels of specific drugs in urine without the use of an

AMPHETAMINE (AMP)

AMPHETANNE (AMP)
Amphetannie in a Schiedule II controlled subdance available by prescription (the edineity) and is also available on the tick market. Amphetannies are a class of patient gregorismment agents after the foreign of patients. They are theretainly helded to the though today's calmed good to the control of the patients and the control of t

ours following use, and the drug has a half-tile of 4.24 hours in the body Aboul 30% of temphetamines are exceeded in the urine in unchanged form, with the remainder as hydroxylated

Arapteriumes are exceed as the sine as uncompetition, with the remainder as hydroxylands and dearminate derivatives. The One Step Douglar result when Araphetamines is unine exceed 1,000 ng/ml. This is the suggested screening out-off for positive species set by the Substance Above and Mental Health Services Administration (SAMNSA, USA).

About and Mental Health Services Administration (SAM-SEA, U.S.A.):

RARSEINLARIS (SARA)

Batthersten are central nervous system depressants. They are used therepeaterally as solutives, hypotons, and autoconstants. Bestharates are attend servery taken or ally an expedience or tablets. The effects resemble those of intoxication with abobit. Obsoils use of battherates leads to belience and physical dependence Storb carrieg Bothstrants kine at 400 might for 2.3 months can produce a chically significant degree of physical dependence Withdrawd symptoms corporated drapp periods of drap alternative can be reserved as a few produces of a supplemental produced of the participants of the server enough to cause death. Only a small amount (leas than 5%) of mod Battheration are certaind unaffined in the wine.

Short acting (a) Sociochthial (100 mg PO) (only 3 Gay):

The One Step Drug of Assue Test yields a positive result when the Batthursten in urine encoded 300 mg/PO.

SOO right.

BENCONLEPRIES (BZO)

Bencothappins are medications that are frequently prescribed for the symptomatic treatment of anxiety and steep disorders. They produce their effects via specific neceptors involving a neurochemical cailed genema ammobalytic acid (GABA). Because they are safer and more effective, Bencotagepies have regional benthursten is the treatment of both snovely and incoming. Bencothasepies are also used as sections before some surgical and medical procedures, and for the treatment of section shooting and advoct influence of the treatment of section shooting and advoct influence of the treatment of section shooting and advoct influence of the treatment of section shooting and section shooting and section of the concentration in since is conjugated drug. The detection period for the To Aos Stop Dec of Above Teal yields a positive result when the Bencodiazepines in union exceeds 100 right.

COCANE (COC)
Cocaine is a potent central nervous system (CNS) stimulant and a local anesthetic Initially, it brings about extreme energy and restlerances while gradually resulting in termors, over-centrally and sparsm. In large amounts, cocaine causes feer, unresponsiveness, difficulty in breathing and

second-connect.

Cocinie is offen self-administered by reasel inhalation, infrarences injection and five-base studied, it is excreted in the urine in a short time primarily as Benzeyleopoine -1 Benzeyleopoine, a major metabolist offer documin, has a longer telologist half left G-54 bonry than coaline (G-51 55 hours), and can generally be defected for 24-45 hours after coaline exposure?

The Cod Stop Divid A About Ent yields a positive result when the coaline restabolist is universe crossed sold region. This is the supplied screening and for positive specimens set by the Solutions About and Metal's Hash Services Administration (AMHSS, USB).

Subdance Ruse and Mental Health Services Administrators (SAMPAA, USA):

The Childralydoconnolation) is the primary active ingredent in connolate (marqianas). When sweded or castly administrent, The Cyndonos exploric effects. Users have impaired short term enemy and showed kearing. They may also experience translert episodes of contains and anxiety. Long-lawer, relatively knew, are may be associated with behavioral disorders. The pasts are larger to the control of the curion of the control of the

METHADONE (MTD)
Methadon is a narootic analysisk prescribed for the management of moderate to severe pain and
for the treatment of optical dependence (herois, Vicode, Perrood, Morphine). The planmatokey
of Call Methadone is vary different from IV Methadone Oral Methadone is partially stored in the
fore for their care. If Methadone and once the herois is from ost states you must go to a pain clicit.

or a Methadone maintenance clinic to be prescribed Methadone. Methadone in a long acting pain relever producing effects that last from horbe to forly-eight hours. Boolly, Methadone fees the client from the pressures of obtaining floqual herois, from the dangers of lipication, and from the entrational refer coaster that most opicities produce. Methadone, if Valen for long periods and at turp dosses, on all other vary long reference in the entrational trade obtained and to a very long reference and the methadone are more prokenged and toutlescene than those provided by heroin censation, yet the substitution and placed removal of refluidance is an acceptable method of debut factors for patients, and

therapets.* The One Step Drug of Abuse Test yields a positive result when the Methadone in urine exceeds 300 ra/mL.

300 opint.

METHAMPHETAMME (mAMP)

Methamphetamine is an addictive stimulant drug that strongly activates certain systems in the train Methamphetamine is deadly related clientically to amphetamine, but the central remous and has a high potential for abuse and dependence. The drug can be taken craft, injected, or inhaled. Acute higher does lead to enhanced stimulation of the central remous system and induce exploris, elements, reduced appetits, and a serious cliential energy and poses. Cardiovisolar responses to Methamphetamine include increased blood pressure and cardioc antiphetins. More acute responses produce anxiety, paramis, hathicintons, repylorist behavior, and eventually, depression and exhaustion. The effects of Methamphetamine generally but 24 hours and the duty laws has laft set of 24 hours in the body Methamphetamine is exceeded in the order as amphetamine and existing and definitional derivatives. However, 19-20% of write inclinates Methamphetamine are Methamphetamine and Methamphetamine and Settlement and Settle

METHYLENEDIOXYMETHAMPHETAMINE (MDMA) Methylenedioxymethamphetamine (ecolasy) is a de-

METHYLENEIOXYMETHAMPHETAMME (MOMA)
Methyleneidorymethamphetamine (excitacy) is a designer drug first synthesized in 1914 by a
Gorman drug company for the trademine of desity. Those who take the drug frequently report
adverse effects, such as increased muscle function and security, MCDA is not desity a stimulant,
beater rise. MCDA does produce some perceptual changes in the form of increased excellently to
light, difficulty in focusing and bland vision in some scene. In mechanism of action is thought to
be via release of the excentramentary extendions MCDA may also release deposition, although the
general opinion is that this is a secondary effect of the drug dischola and Geoderder, 1909, The
most provider leafer of MCDA, occurring in virtually alloyed who toke a resuscendible dose of the
drug was to produce a describing of the javes.
The One Step Drug of Absoc Test yields a positive result when the
Methylenedoxymethamphetamine is urine exceeds 500 rg/mt.

PORTE (Cell SUMMENDA)

Cylate refers be any drug that is derived from the optim poppy, including the natural products, morphine and codient, and the semi-synthetic drugs such as herrin. Opicid is more general, referring to any drug that cats on the equiled recorder. Opicid analysisses comprise a large group of morphine can produce higher between evels. Psychological dependency is usus, and resy lead to substance abuse. Morphine is exerted unentabelezed, and is also the major metabolic product of coolein and herrin. Morphine is delectable in the uniter to reversel days after an opitale down. The One Step Diog of Alazae Test yields a positive result when the concentration of opitale exceeds the 300 rights color like.

COMPATE (OR 1200) the door in the copium popy, including the natural products, morphics and codeshes, and the semi-synthetic drugs such as heroin. Optical is more general, referring to any drug that date on the optical recopies. Optical analysises, comprise a law group of substances which control pain by depressing the central nervices system. Large doses of morphice can produce higher bibrance levels, physiological depotencies in when all may lead to substance abase. Morphice is curred unmetabolized, and is also the major metabolic product of codeine and heroin. Morphice is detectable in the uniform for several departs and are napidal door. The One Step Drug of Abase Test yields a postile result when the morphice is urine exceeds. 2000 nylint. This is the suggested severaling sold of the postile epicienses set by the Substance Abase and Mental Health Services Administration (SAMHSA, USA).

OXYCOOONE (OXY)
Oxyco done, (4,5-epoxy-14-by droxy-3-methoxy-17-methyl-morphin an-6-one, dhybridy)-daypoolomop is a temi-symbol opicid agorid derived from thebaine, a constitued of opicin. Oxycodone is a Schedule it rescribe analysis and is sidely used in clinical medicine. The phermotoly of oxycodone is similar to that of employer, in all respects, fooding its about of oxycodone is returned to that of employer, in all respects, fooding its about of relaxation, respiratory degreesies, condeption, pepiling contribitor, and cough suppression Oxycodone is presented for the ratio of oxycodone is presented for the ratio of oxycodone is presented for the ratio of oxycodone is presented for the ratio oxycodone is presented for the ratio oxycodone is oxycodone in the ratio oxycodone is presented for the ratio oxycodone's polycodone's polycodone's

PHENCYCLIDINE (PCP)

PRESIDVALIDNE [PCF]
Princysidors, allo known as PCP or Angel Dout, is a hallucingon that was first marketed as a supplied anothetic in the 1950s. It was removed from the market because patients receiving it became defined and desperiment shakuciations.
Plannysidora is used in provider, capsule, and tablet from the provider is either soroled or smoked after mixing it with marginary or vegotiate matter. Prencytidene is most ownerously administened by inhallucion but can be used introverously, intervantly, and orally. After low doses, the user thicks and cate so with year dependence mode simple term experime to depress. Self-injection behavior is one of the devastating effects of Prencyddenc. I also so of the devastating effects of Prencyddence is exceeded in the urine as an unchanged drug (4% to 19%) and conjugated metabolies (2% to 19%).

to Extension to Management of Abuse Test yields a positive result when the phencyclidine level in urine exceeds 25 ng/ml. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mortal Health Services Administration (SAMHSA, USA).

TRICYCLIC ANTIDEPRESSANTS (TCA)

TRUCKULGANIDEPRESSANIS (TCA)

TOA (Trivighe Endepressants) are commonly used for the treatment of depressive disorders. TCA overdoses can result in profound central nervous system depression, cardiotoxicity and authoriborate (reflects). TCA version is the resol common case of dealth temperacytion drops. TCAs are taken orally or sometimes by hydron. TCAs are metabolized in the fore. Both TCAs and their metabolises are carried on true monthly in the torn of relabellates for up to lim drops. The Oral Stap Cray of Albane Test yells a possible result when the concentration of Trivide Andiopensistics in univide accordant Toda graph.

ADULTERANT TESTS (SPECIMEN VALIDITY TESTS) SUMMARY

The Adulterant Test Stip contains chemically treated reagent pads. Observation of the color change on the strip compared to the color chant provides a semi-quantitative screen for oxidands, specific gravity. All, creatinine, nintle and glutaralidelyide in human urine which can help to assess the integrity of the urine specimen.

ADULTERATION

Adultration is the tampering of a urion specimen with the intention of altering the test results. The use of adultrants in the urine specimen can cause take negative results by other intenting with the test active descripting the drugs present in the urine. Dutter may also be used to produce the test active descripting the drugs present in the urine. Dutter may also be used to produce finite negative drug laterals. To determine centain urinary characteristics such as specific gravity and EH, and to deter the presence of or idealine, within plantacteristics such as specific surine are considered to be the best ways to leaf to adultration or delution.

Ovidents (OV) Thesis for the presence of oridizing specim such as bleach and perovide in the

- urre.

 Specific Gravity (5.0.) Tests for sample dilution. Normal levels for specific gravity will range from 1,003 to 1,000. Specific gravity levels of less than 1,003 or higher than 1,000 may be an indication of adulteration or specimen dilution.
- indication of adultration or specimen dilution.

 PM Tests for the presence of aiddic or alcalme adultrants in urine. Normal pH levels should be in the range of 4.0 to 9.0. Values below pH 4.0 or above pH 9.0 may indicate the sample has been altered.

 Nitrile (NET): Texts for commercial adulterants such as Klear and Whitzles. Normal urine specimens should contain no trace of nitrile. Positive results for nitrile usually indicate the
- specimens should contain no trace of nitrite. Positive results for nitrie usuary snotume are presence of an adulterial.

 Ghitaraldehyde (GLU). Tests for the presence of an addehyde. Ghitaraldehyde is not normally

found in a urine specimen. Detection of glutarablehyde in a specimen is generally an indicator of adultantion.

(Postfeline (IRP): Postfeline (IRP): Postfel

erasion. ine (CRE). Creatinine is one vary to check for dilution and flushing, which are the most in mechanisms used in an attempt to circumvent drug testing. Low creatinine may

PRINCIPLE

The One Step Dug of Above Test is an imminissive based on the principle of competitive binding Dugs which may be present in the urine specimen compete against their respective drug copyligates for binding bless on their specific artibody. During testing, a surfer specimen migrates upward by capitary action. A drug, if present in the urine specimen below is cold of concentration, will not always be capitary action and as specific artibody. The entitledy with their result with their diagnostic order to be a specific artibody. The entitledy will then result with their diagnostic order present or discuss a strong up in the latest time region of the specific drug step. The presence of drug above the cold contribution will advantage all the binding steep of the artibody. Therefore, the colored line will not from in the late time region.

A drug-positive urine spocimen will not generate a colored line in the specific test line region of the stilp 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.

REAGENTS

THAGENIS

The led cortains a membrane strip coated with drug protein conjugates (purified bovine alturnis) on the leaf les, a goat polysional enthody against gold-protein conjugate at the control line, and dye per which contains coloided gold purifices coated with mouse monochroil enthody specific to Amphatomics, Couraes, Mahmaphatomics, Mahylenothyou, Harphot, This, Princryolderiae, Bezondausphreus, Harphot, This, Princryolderiae, Bezondausphreus, Mahudone, Earthurates, Tricycle Antidepressunts, Opate or Opyradone.

ADULTERANT TESTS (SPECIMEN VALIDITY TESTS) REAGENTS

Adulteration Fad	Reactive Indicator	Buffers and Non-reactive Ingredients
Oxidarts (OX)	0.36%	99.64%
Specific Granity (S.O.)	0.25%	99.75%
pH	0.06%	99.94%
Note (NE)	9.07%	99.93%
Chturaldehyde (GLU)	0.02%	99.56%
Creations (CEE)	0.049	60.00%

PRECAUTIONS

SPECIMEN STORAGE

- FREGAULOISS

 For Professional Use O-by,
 For Is Vitro Disgreate: Use O-by,
 For Is Vitro Disgreate: Use O-by,
 Do not use after the optimation date,
 The test panel should remain in the sealed pourb, unit use.
 The test is for eithigh ease.
 Vitro Vitro Disgreate: Use O-by O-BA or the COC as a biological hazard unless visibly
 contaminated with blood "1 the use of gloves is recommended by aced unrecessing contact with
- contaminated with blood 1, the same to govern or any other than the specimen.

 The used text device and urine specimen should be discarded according to federal, state and local regulations.

STORAGE AND STABILITY

Store as packaged in the sealed pouch at 2:30°C (35:55°F). The test is stable through the expiration date printed on the tealed pouch. The test device must remain in the sealed pouch until use. DO NOT PREEZE. Do not use beyond the expiration date.

SPECIMEN COLLECTION AND PREPARATION

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 satile to collain a clean specimen for testing.

Urine specimens may be stored at 2.8°C (35.46°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 thaived and mixed well before lealing.

MATERIALS

Materials Provided

* Test device • Desicrants • Package insert • Procedure card (for cup use only) • Color chart card for adulternel interpretation (when applicable) • Dropper (for cassatte)

Materials Required but Not Provided

Specimen collection container (for strip, causette, dipcard) • Disposable gloves • Timer

DIRECTIONS FOR USE

Allow the test device and urine speimen to come to room temperature [15-30-C (59-86-F)] prior to

Anoth the rate services the services of the descounted continuer (prog the container to the trout that the services the set to from the field wrapper or the descounted container is contained. Likeli the strip with patient or control identifications.

If immerse the service to the currer with the amovied porting board the strip. Do not cover the service over the MM (teasimust) the ritto may know that stip in the surrer system strip as the services of the serv



For Cassible | 1) Riscos has the document of a local support by hearing along the size (driving the container to the room private or the size of the container to the room private or common to the document or of the container in container). Likelif the document of the container is container). Likelif the document of private or containers are sized in the sized container or or disoled groupers 3 doubt support or containers are sized from the ground and document of the document of the sized containers or containers are sized containers or containers are sized containers or containers are sized containers are sized containers are sized containers. The sized containers are sized containers are sized containers are sized containers are sized containers.



(Fee Organia)

) Remove the fixed device from the bull pouch.

) Remove the device the set device. Label the device with patient or cornor identifications.

3) Interiors the analyzed the prior to the unreasonable for 5 seconds. Unreasonable should not bought to place device.

4) Replace the day over the absorbert tip and tip the device fairly on a non-absorptive claim surface. 6007

pressure service. Siplace the cap over the absorbent tip and tay the device fally on a non-absorptive clean surface. Tead results at 5 minutes DO NOT INTERPRET RESULT AFTER 10 MINUTES.

[For Multi-Drug Screen Test Cup] Please follow the instructions on the Procedure Card









INTERPRETATION OF RESULTS

(Please and of to the previous illustration).

NEGATIFE: The lines appear. "One pairs fine should be in the control region (C), and another NEGATIFE: The lines appear. "One pair fine should region (f). This negative result indicates that the drog concentration is below the detactable level."

NOTE: The should of code in the leaf line region (f) will vary, but it should be considered negative wherever there is even a fair detactions) subshalls code 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 repeal the test using a new test device. If the problem persists, discontinue using the lot immediately and contact your supplier.

ADULTERANT TESTS (SPECIMEN VALIDITY TESTS) INTERPRETATION

(Please refer to the color chart). Semi-quantitative results are obtained by visually comparing the reacted color blocks on the strip to the printed color inductor on the color chart. No instrumentation is required.

ADULTERANT TESTS (SPECIMEN VALIDITY TESTS) LIMITATIONS

- 1. The adulterant tests included with the product are meant to aid in the determination of abnormal specimens, but may not over all the promble adulterants.
 2. Oxidants. Names harms unifer bould not contain oridints. The presence of high level of activitients in the specimen, such as accordic acid, may result in false negative results for the oxidants pad.
- critizats pad.
 3. Specific Gravity: Elevated levels of protein in urine may cause abnormally high specific gravity.
- System.

 4 Nither, Nither is not a normal component of human wine. However, nitrite found in urine may indicate urinary treal infections not bacterial infections. Nitrite levels of > 20 ergidl, may produce false positive global additivity results.

 5 Gitaratellarylar: It not normally found in a urine specimen. However certain multiplic abcommittees such as kelosockosis (desting, uncontrolled disbelles or high-protein deta) may before a such as kelosockosis (desting, uncontrolled disbelles or high-protein deta) may before an article of the late transition.
- abromalinis such as kateadosis (lasting, uncontrolled diabeles or high-protein deta) may intrifier with healt results.

 6. Creatinine. Tests for the specimen for diation and flushing. Normal creatinine levels are between 20 and 350 mg/st. Under rare conditions, certain kidney diseases may show dilute urine.

QUALITY CONTROL

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

- The One Step Drug of Albura Test provides only a qualitative, prolininary analytical result. A tocordary analytical result of the step of

PERFORMANCE CHARACTERISTICS

Accuracy

A side-by-side comparison study was conducted using One Step Drug of Abuse Test and other commercially available rapid drug test Testing was performed on clinical urine samples quantified by GCMS method for each of the following drug Results are summerized below.

Total	Compounds Contributed to the Totals of GC/MS
AMP	Amphetamine
BAR	Secobarbital
BZO	Cratepart
coc	Berzoyleogomine

THC	11-nor-3' tetrahydrocannabinol 9-carboxytic and
MTD	Mothedone
mAMP	Mathemphetamine -
MCMA	C1 Mid-foredcopretarphetance, Methyloredcopretarphetance
OPI, MOP	Morphine Codeine
OXY	Orycodone
PCP	Phencyclidne
TCA	Natistylne

% Agreement with GCAS (HPLC for TCA)

	AMP	MAMP	OPI 2000	OPI 300	000	PCP.	THO
Postve Agreement	55%	96%	×99%	56%	56%	95%	96%
Agreement	-99%	>99%	97%	>99%	1996	>9%	>99%
Overall Agreement	50%	58%	56%	50%	56%	55%	50%

	BAR	TCA	MEMA	820	MED	OXX
Postie Agreement	97%	58%	93%	90%	54%	95%
ligitie glenert	56%	>99%	>9%	>99%	96%	>99%
Overst Agreement	56%	99%	96%	58%	96%	58%

Analyte	EAR.		MONGA		820		MID		CKY.		TCA		BHC .	
New Jon	Pos	Neg	Fes	Nieg	Fcs	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Nec
Negative Samples	0	4	0	4	0	5	0	3	0	4	0	4	0	0
New Cut-off Region Samples Delivers SCR of oil off and out-off)	,	37	0	я	0	28	1	44	0	36	0	36	0	15
New Cut off Purbin Sumples Between cut- off and 150% of ed-off	34	,	33	3	27	2	27	2	34	2	35	1	23	,
Postra Samples (190% of extrat)	3	0	4	0	18	0	3	0	4	0	4	0	1	0
Agreement with GCAG	97%	SEA	575	-27%	90%	-77%	90%	SEE	974	-97%	90%	+50%	9ms	5505

Analyte	PCP		E E	mAMP .		CF1300		CF13500		COC		AMP	
~~j=	Pos	hing	Fos	Neg	Pos.	Neg	Fos	Neg	Pos	Neg	Pas .	1 Na	
Negative Samples	0	1	0	4	0	1 3	0	17	0	0	0	0	
New Call off Negative Semples Delivers STA of call off and call off)	0	e	0	10	0	11	1	13	0	13	0	19	
New Cut-off Funding Samples Between out- off and NEW of cut-off)	7	2	3	1	13	1	3	0	26	1	7	,	
Poster Service (HEN of eat off)	28	0	22	0	7	0	6	0	0	0	13	0	
Agram at six SCAS	224	>00%	50%	>27%	50%	>50%	>50%	67%	60%	1/20%	00%	1200	

Reproducibility studies were coined out using commercially available standards. Each standard was distalled in normal, drug-free sints by due the appropriate concentration. Each specimen, at each occentration of analysis, was feeled four times daily, in duplicate, for five consecutive days A total of 40 differentiations were made at each occentration. The results are given below.

Amphetamine (AMP)				
Amphetamine(AMP) conc (ng/nL)	Total number of Determinations	Result	Precision	
No drug present	40	4) riegative	>99%	
500	49	40 regative	>99%	
750	40	40 negative	>99%	
1,000	43	4) postive	>39%	
1,500	43	40 positive	>99%	

Secobartifal conc (ng/mL)	Total number of Determinations	Result	Precision	
No drug present	40	40 negative	+99%	
150	40	40 negative	199%	
225	40	40 negative	>99%	
300	40	40 positive	>99%	
450	40	40 positive	>99%	

Benzodiszepines (820)

Ovaziepara conc (ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
150	40	40 negative	>99%
225	40	40 negative	199%
300	40	43 positive	>99%
450	40	40 positive	>99%

Cocaine (COC)

Benzoyleogonine conc (ng/mL)	Total number of Determinations	Result	Precision	
No drug present	40	4) negative	>99%	
150	40	40 negative	199%	
225	40	40 negative	+99%	
375	40	40 positive	>99%	
450	40	40 postive	>99%	

thear-shifting-\$4000H conc (ng/ml.)	Total number of Determinations	Result	Precision		
No drug present	40	40 negative	>99%		
25	40	40 negative	199%		
37.5	43	40 negative	199%		
50	40	40 positive	>99%		
75	4)	43 positive	>99%		

Methadone conc (ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
150	40	40 negative	>99%
225	40	40 negative	>99%
300	49	40 positive	>99%
450	40	40 positive	199%

Methamphetamine (mAMP)

Methamphetamine conc (rightL)	Total number of Determinations	Result	Precision
No drug present	4)	40 negative	>99%
500	40	40 negative	>99%
750	40	40 negative	>99%
1,000	40	40 positive	>99%
1.500.	40	40 positive	>99%

Married	erectorym	othomobiotomic	WATER AND

Methylene-Bacyneti- anghetamile conc.(ng/ml.)	Total number of Determinations	Result	Precision
No drug present	45	40 negative	>99%
250	40	40 negative	>99%
375	40	40 negative	>99%
500	4)	40 postive	>99%
750	4)	40 positive	⇒99%

Opiate 300 (OPI 300 MOR MOR)

Marphine conc (right.)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	>99%
150	40	40 negative	>99%
225	40	40 negative	>99%
300	40	40 postive	>99%
375	4)	40 postive	>99%

Opate 2000 (OPI 2000)

Morphine conc (ng/nt.)	Total number of Determinations	Result	Precision
No drug present	4)	40 negative	>99%
1.000	40	4) regative	>99%
1,500	40	40 regative	>29%
2,000	40	40 postne	+99%
3,000	40	40 positive	>99%

Chycodone (CXY)

Ovypodone conc (ngint.)	Total number of Determinations	Flesuit	Precision
No drug present	40	40 negative	>99%
50	47	4) regative	199%
75	43	40 negative	>99%
100	40	40 postive	>99%
150	40	40 positive	>99%

Phencyclidine conc (ng/mL)	Total number of Determinations	Result	Precision
No drug present	40	40 negative	F29%
125	40	43 negative	299%
19	40	40 negative	>99%
25	40	40 positive	>99%
37.5	40	40 postive	>99%

Nortotyline conc (nghrL)	fine Total number of Result (htt.) Determinations		Precision
No drug present	40	40 negative	>29%
500	4)	40 negative	>99%
750	40	43 negative	+99%
1.000	40	.40 postive	>20%
1,500	49	4) postive	+99%

Analytical Sensitivity

A drug-free urine pool was spiked with drugs at concentrations listed. The results are summarized below:

Drug concentration	n	:At	12	E/	18	- 63	.0	.00	¢	M	OP.
Out-of Range		-		0.1		*:		-			
0% Out-off	10	10	0	10	0	10	0	10	0	10	0
-50% Cut-off	10	10	0	10	0	10	0	10	0	10	0
-25% Out-off	10	10	0	10	0	10	0	50	0	10	0
Out-off	10	0	10	0	10	0	10	0	10	0	10
+50% Cut-off	10	0	10	0	10	0	10	0	10	0	:0

Drug concentration	0	T	IC :	W	TD.	m/	MP	MC	MA
Cut-off Range		-					,	9.7	+
0% Out-off	.10	10	0	10	0	10	0	10	0
-50% Cut-off	10	10	0	10	0	10.	0	10	0
-25% Out-off	10	10	0	10	0	10	0	10	0
Cut-off	10	0	10	0	10	0	10	0	10
+50% Out-off	10	0	10	0	10	0	10	0	10

Drug concentration	.8	0	PI	0	CY.	P	CP	1	CA.
Cut-off Range	447							13.	
6% Out-off	10	10	0	10	0	10	0	10	0
-50% Cut-off	10	10	0	10	0	10	0	10	0
-25% Cut-off	10	10	0	10	0	10	0	10	0
Cut-off	10	0	10	0	10	0	10	0	10
+50% Out-off	10	0	10	0	10	0	10	0	10

Probleming table lish the concentration of companies (ngint) that were detected positive in wine by One Step Drug of Abuse Sect. at a read line of 5 minutes.

Drug

Concentration(ngint)

AMPHETAMINE (AMP)	
d amphetamine	1,000
D.J-amphetamine	1,000
Lamphetamine	20,000
Phontermina	1,250
(+/-)- Methylenedicayamphetamine (MDA)	1,500
BARBITURATES (BAR)	
Secobarbitat	300
Amobarbital	300
Alphenal	150
Aprobarbital	200
Butabarbitat	75
Butabitat	2,500
Butethal	100
Cyclopentobarbital	600
Perilobartiflat	300
Phenobarbital	100
BENZODIAZEPINE (BZO)	
a-Hydroxyalprazolam	1,260
Alprazalam	200
Bromazepam	1,560

Chlordiazepoxide	1,565
Chlordiszeposide HCI	760
Clobazam	100
Clonazepam	765
Clorazepate Dipotassium	195
Delorazupam	1,560
Desalkylfurazepam	390
Diazopam	195
Estazolam	2,500
Fluntrazepom	365
(a) Lorazepam	1,560
R3-Lorazepam glucuronide	160
Midagolam	12.500
Ntrazepam	95
Northkrdiszepoxide	500
Nordiazepam	390
Oxazepám	300
Temazepam	100
Triazolam	2,500
	.,
COCANE (COC)	
Benzoylecogoning	300
Cocaethylene	300
Cocaine	300
Metockopromide	\$0,000
Procaine	75,000
10.010	133504
MARLLIANA (THC)	
11-Nor-a-Tetrahydrocannabinol	50
11-Hydroxy-s-Tetrahydrocannabinol	5,000
11-Nor-a-Tetrahydrocannatinol	50
11-hor-a-Tetrahydrocannabinol 9 Carboxylic Glucuronide	2,500
1-Tetrahydrocannabinol	20,000
	20,000
y - Tetrahydrocannabinol	20,000
METHADONE (MTD)	
Methadone	300
Doxytamine	50,000
METHAMPHETAMINE (HAMP)	
	20,000
(+A) 3.4-Mathylanedoxy-n-ethylanphatamine(MCEA)	
Procaine (Novoceine)	60,000
Treethobenzamide	20,000
+F.methamphetamine	1,000
+methamphetamine	1000
Rantidine (Zartixi)	50,000
(+A) 3,4 Methylenedoxymethamphetamine (MCMA)	2,500
METHYLENEDICKYMETHAMPHETAMINE (NOMA)	
D.L.3,4 Metryleredoxymetranyhetanine (MDAM)	500
3.4-Methyleredicryamphetamina HCI (MDA)	3,000
3.4 Methylenedoxyethyl anythetamine (MOEA)	300
OPIATES (OPI 300 MOR,MOR)	
6 acetylmorphine	500
Codnine	100
Eserine (Physosotigmine)	15,000
Ethylmosphine	100
Hutin	500
Hydromorphone	2,000
Hydrocodona	1,250
Morphine	300
Morphine-3-glucuronide	75
	75.000
Chycodone	

OPIATES (OPI 2000)	ng/mL
6-aosty/morphine	1,000
Codeine	500
Ethylmorphine	400
Heroin	10,000
Hydronorphone	2,000
Hydrocodone	5,000
Morphine	1,600
Morphine-3-glucuronide	1,000
Ovycodone	50,000
Thebeine	26,000
OXYCODONE (OXY)	
Cwycodone	100
Codeine	50,000
Ditydrocodeine	12,500
Ethylmorphine	25,000
Hydrocodone	1,580
Hydromorphone	12,500
Osymorphone	1,580
Thebalne	50,000
PHENCYCLIDINE (PCP)	
Phencyclidine	25
4-Hydrary PCP	90
PCP Morpholog	625
TRICYCLIC ANTIDEPRESSANTS (TCA)	
Notriptyline	1,000
Amtriptyline	1,500
Clomipramine	12,500
Desigramine	200
Doxepine	2,000
Imipramine	400
Maprotiline	2,000
Nordoxepine	1,000
Promazine	1,500
Promethazine	2,500
Trimipramine	3,000

EFFECT OF URINARY SPECIFIC GRAVITY

Fifteen (15) urne samples of normal, high, and low specific grady ranges (1.005, 1.015, 1.03) were spiked with drugs at 50% below and 50% above cat off levels rangedrively. The One time Drug of Assam-field was tetted in displants using bed drugsfree urne and spiked urne samples. The results demonstrate but varying ranges of urnery specific greaty do not affect the lest results.

EFFECT OF THE URINARY PH

ne pH of an allocated regative come pool was subjected to pH regain of 40,45,50,60 and 90 and related with ordays at 50% below and 50% above cut off leads in the spleet pH adjusted come was sold with the 50% above for guide above for the spleet pH adjusted come was sold with the 50% above for guide above for Et. The results demonstrate that vaying temper of pH do not far feet with the performance of the test.

CROSS-REACTIVITY

A study was conducted to determine the orasi-reactivity of the leaf with compounds in either drug free, unrise or drug proselves urrer containing Cocare, Barthurstes, Berpodespress, Publishermer, Morphress, Methoders, MOMA, (Ecologis), Opalas, Ospodosis, Petropolitic or Troycle Antidepressants. The following compounds show no cross-reactivity when fetted with this for else from grad above that of controlled or of 100 gibtle.

NON CROSS-REACTING COMPOUNDS

Cocaine, Benzodiazepines, Amphetamine, Methamphetamine, Harijuana, Opiates, Morphine, Dsycodone, Phencyclidine, Barbiturates Hon Cross-Reacting Compound Parent compound only.

Assistation Assistation of the A

Chargamane
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Babilitis
Expende
Famidis
Fami

Metro general
Me Pendinaria
Pintania
P

Methadone Non Cross-Reacting Compound "Parent compound only

Acetotolol Acetolohyde Acetomophen Acetocolomde

Analogueusta Analo

Hydra Munchasola
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Problems
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Methylenedicxymethamphetamin Non Cross-Reacting Compound Parent compound only acctaninophen acc

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BIBLIOGRAPHY

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Manufactured for WHPM, Inc. 5358 Invindale Ave. Invindale, CA 91706 www.whpm.com

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Effective date: 05/15/2011

Premier Biotech is excited to offer an on-site dip test for K2 or "Spice" as one of the first screens for synthetic marijuana on the market. The K2/Spice Test is available in single strip or single dip cassette format for greater flexibility and cost effectiveness.



A study was conducted by a third-party lab using known positive urine from six donors. Each specimen was screened with the K2/Spice Test. The laboratory then processed and tested each specimen following forensic guidelines.

	JWH-01	18 Pentand	oic Acid	JWH-07	73 Butanoic Acid			
Donor	K2/ Spice Test	Lab confir- mation	Result (µg/ml)	K2/ Spice Test	Lab confir- mation	Result (μg/ml)		
1	Positive	Positive	1.5	Negative	-	8		
2	Positive	Positive	65.2	Positive	Positive	2.3		
3	Positive	Positive	107.1	Positive	Positive	7.0		
4	Positive	Positive	116.4	Positive	Positive	3.3		
5	Positive	Positive	269.8	Positive	Positive	6.8		
6	Positive	Positive	396.4	Positive	Positive	20.4		

A precision study was performed by three individuals observing test results to determine the random error of visual interpretation. The test results were found to have no significant differences among the three observers.

K2/Spice Test	Con- trol Con. ng/ml	No. of Tested	No.	of pos	sitive 3	, b	No. coorder		No. (of neg	ative 3
JWH-018 and JWH- 073	0	42							42	42	42
	25	42							42	42	42
	75	42	40	41	40	2	1	2			

Specific to JWH-018 pentanoic acid and JWH-073 butanoic acid

Compounds

Concentration

Cross reactivity

JWH-018 pentanoic acid JWH-073 butanoic acid

50 ng/ml 50 ng/ml

100% 100%

FORENSIC USE ONLY





888-686-9909 I premierbiotech.com 6630 Lakeway Drive, Chanhassen MN 55317 K2 or "Spice" is an illicit drug that is comprised of a mixture of herbs and spices, typically sprayed with a synthetic compound that is chemically similar to THC, the psychoactive ingredient in marijuana. The most common chemical compounds of K2 include HU-210, HU-211, JWH-018, and JWH-073. K2 is often marketed in head shops, tobacco shops, or over the Internet as incense or "fake weed." Unknown product origin and amount of chemical compound on the organic material are just two of the many risks associated with K2/Spice.

Street names

Bliss, Black Mamba, Bombay Blue, Cloud Nine, Fake Weed, Genie, Spice, Zohai

Looks like

K2 is typically sold in small, silvery plastic bags of dried leaves and marketed as incense that can be smoked. It is said to resemble potpourri.

Methods of abuse

K2 products are usually smoked in joints or pipes, but some users make it into a tea.

Affect on mind

Psychological effects are similar to those of marijuana and include paranoia, panic attacks, and giddiness.

Affect on body

Physiological effects of K2 include increased heart rate and increase of blood pressure. It appears to be stored in the body for long periods of time, and therefore the long-term effects on humans are not fully known.

Drugs causing similar effects

Marijuana

Overdose effects

There have been no reported deaths by overdose.

Legal status in the United States

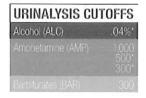
On Tuesday, March 1, 2011, DEA published a final order in the Federal Register temporarily placing five synthetic cannabinoids into Schedule I of the CSA. The order became effective on March 1, 2011. The substances placed into Schedule I are 1-pentyl-3-(1-naphthoyl) indole (JWH-018), 1-butyl-3-(1-naphthoyl) indole (JWH-073), 1-[2-(4-morpholinyl) ethyl]-3-(1-naphthoyl)indole (JWH-200), 5-(1,1-dimethylheptyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol (CP-47,497), and 5-(1,1-dimethyloctyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol (cannabicyclohexanol; CP-47,497 C8 homologue). This action is based on a finding by the Administrator that the placement of these synthetic cannabinoids into Schedule I of the CSA is necessary to avoid an imminent hazard to the public safety. As a result of this order, the full effect of the CSA and its implementing regulations including criminal, civil and administrative penalties, sanctions, and regulatory controls of Schedule I substances will be imposed on the manufacture, distribution, possession, importation, and exportation of these synthetic cannabinoids.

Common places of origin

Manufacturers of this product are not regulated and are often unknown since these products are purchased via the Internet whether wholesale or retail. Several websites that sell the product are based in China. Some products may contain an herb called damiana, which is native to Central America, Mexico, and the Caribbean.

Source: dea.gov - "Drug Fact Sheet: K2 or Spice"

DRUGS TESTS AVAILABLE IN DIP CASSETTE OR SINGLE STRIPS







Methamphetamine (MET)	1,000 500 300
Methylenedioxymeth- amphetamine (MDMA)	500
Oxycodone (OXY)	100



* FORENSIC USE ONLY All cutoffs in ng/mL except alcohol

