



NOTICE OF CONTRACT RENEWAL

State Of Missouri
Office Of Administration
Division Of Purchasing
PO Box 809
Jefferson City, MO 65102-0809
<http://oa.mo.gov/purchasing>

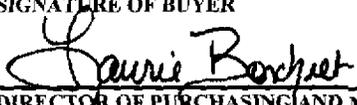
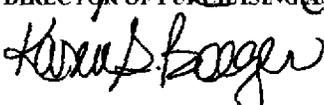
BIE 14013

CONTRACT NUMBER C114013001	CONTRACT TITLE On-Site Drug Testing Instruments (Colloidal Gold)
AMENDMENT NUMBER 002	CONTRACT PERIOD January 8, 2016 through January 7, 2017
REQUISITION NUMBER NR 931 YYY16709023	VENDOR NUMBER 6803329370 0
CONTRACTOR NAME AND ADDRESS Redwood Toxicology Laboratory Inc. 3650 Westwind Boulevard Santa Rosa, CA 95403	STATE AGENCY'S NAME AND ADDRESS Missouri Department of Corrections Cremer Therapeutic Correctional Center 689 Rt. O, P.O. Box 70 Fulton, MO 65251 Probation and Parole Offices Various locations throughout Missouri
ACCEPTED BY THE STATE OF MISSOURI AS FOLLOWS: The State of Missouri hereby exercises its option to renew the above-referenced contract. All other terms, conditions and provisions of the contract, including all prices, shall remain the same throughout the above contract period and apply hereto. Signature of contractor is not required on this document.	
BUYER Tammy Michel	BUYER CONTACT INFORMATION Email: tammy.michel@oa.mo.gov Phone: (573) 751-3114 Fax: (573) 526-9816
SIGNATURE OF BUYER 	DATE 9/14/15
DIRECTOR OF PURCHASING Karen S. Boeger	



NOTICE OF CONTRACT RENEWAL

State Of Missouri
Office Of Administration
Division Of Purchasing And Materials Management
PO Box 809
Jefferson City, MO 65102-0809
<http://www.oa.mo.gov/purch>

CONTRACT NUMBER C114013001	CONTRACT TITLE On-Site Drug Testing Instruments (Colloidal Gold)
AMENDMENT NUMBER 001	CONTRACT PERIOD January 8, 2015 through January 7, 2016
REQUISITION NUMBER NR 931 YYY15709009	VENDOR NUMBER 6803329370 0
CONTRACTOR NAME AND ADDRESS Redwood Toxicology Laboratory, Inc. 3650 Westwind Boulevard Santa Rosa, CA 95403	STATE AGENCY'S NAME AND ADDRESS Missouri Department of Corrections Cremer Therapeutic Correctional Center 689 Rt. O, P.O. Box 70 Fulton, MO. 65251 Probation & Parole Offices Various locations throughout Missouri
ACCEPTED BY THE STATE OF MISSOURI AS FOLLOWS: The State of Missouri hereby exercises its option to renew the contract. All other terms, conditions and provisions of the contract, including all prices, shall remain the same throughout the above contract period and apply hereto. SIGNATURE OF CONTRACTOR IS NOT REQUIRED ON THIS DOCUMENT.	
BUYER Laurie Borchelt	BUYER CONTACT INFORMATION Email: laurie.borchelt@oa.mo.gov Phone: (573) 751-1702 Fax: (573) 526-9816
SIGNATURE OF BUYER 	DATE 10/24/14
DIRECTOR OF PURCHASING AND MATERIALS MANAGEMENT 	

1. Indicate Contract Amendment Type

RENEWAL: 14 PERIOD OF 2 TOTAL

Renewal - % Increase Cost Savings
 Renewal - \$ Increase Cost Savings
 Renewal - W/O Increase
 SFS Renewal - Prices In Original Contract
 SFS Renewal - Prices Not in Original Contract

Performance Security Deposit: \$ _____

Surety Bond: \$ _____

Annual Wage Order Number: _____

Annual Wage Order Date: _____

County(ies): _____

Other Instructions: _____

EXTENSION PERIOD:

Extension - 30-Day
 Termination
 Extension - \$ Increase Cost Savings
 Extension - W/O Increase
 Assignment
 Cancellation/Termination
 Other Amendment

Tasks	Route	Initials	Date
2. Preliminary Tasks/Verifications			
A. Section 34.040.6, RSMo	Buyer/Section Support		
B. DPMM Suspension List	Buyer/Section Support		
C. Federal Suspension - SAM.GOV	Buyer/Section Support		
D. Labor Stds - OA/FMDC Contractor Debarment Lists	Buyer/Section Support		
E. Review of Participation Commitment Attainment - If app, Verify Receipt of 1 st Renewal - Blind/She'l Wkshp Affidvt	Buyer		
F. SFS Review/Justification - Insert Advertising Date, if applicable	Buyer		
3. Prepare Contract Amendment			
4. Review/Approve Contract Amendment (If Signature Required)			
Initial	Supervisor	Section Manager	Asst Director
Date			
5. E-Mail/Fax Contract Amendment (If Signature Required)			
Contractor E-Mail Address/Fax Number			
State Agency Contact E-Mail Address			
Section 34.040.6, RSMo, Letter		Follow-Up Notes:	
6. Review Contract Amendment Response - Verifications			
A. Renewal/Extension Pricing	Buyer/Section Support	ms	10/24/14
B. Section 34.040.6, RSMo	Buyer/Section Support	ms	10/24/14
C. Performance Security Deposit/Surety Bond	Buyer/Section Support	X	X
D. Renewal/Extension with Cost Savings Language	Buyer	X	X
E. Statewide Notice	Buyer	X	X
F. SFS Authorized Limit \$	Buyer	X	X
G. Contract Assignment Only Verifications - Complete unless completed in Step 2 above.			
1. E-Verify Exhibit/Affidavit/Documentation	Buyer/Section Support		
2. Assignment and Consent Form	Buyer/Section Support		
3. DPMM Suspension List	Buyer/Section Support		
4. Federal Suspension - SAM.GOV	Buyer/Section Support		
5. Labor Stds - OA/FMDC Contractor Debarment Lists	Buyer/Section Support		
7. Prepare Contract Amendment Award Document/Statewide Notice			
8. Review/Approve Contract Amendment Award Document			
Initial	Supervisor	Section Manager	Asst Director
Date			
9. Process Contract Amendment			
AM 300 PMM <u>00016023</u>	Buyer/Section Support		
Distribute E-Verify & SDV Documents	Buyer/Section Support	CR	10/27
E-Mail/Fax NOA to Contractor/Assignee & Agency Contact	Buyer/Section Support	CR	10/27
Copy/Save As Statewide Notice to Internet Folder	Buyer/Section Support	X	X
10. Log Participation Commitment Information			
11. Image Contract Amendment Packet			
	Central Support-Participation		
	Central Support-Imaging		11/13



NOTICE OF AWARD

State of Missouri
Office of Administration
Division of Purchasing and Materials Management
PO Box 809
Jefferson City, MO 65102-0809
<http://content.oa.mo.gov/purchasing-materials-management>

SOLICITATION NUMBER B1E14013	CONTRACT TITLE On-Site Drug Testing Instruments (Colloidal Gold)
CONTRACT NUMBER C114013001	CONTRACT PERIOD January 8, 2014 through January 7, 2015
REQUISITION NUMBER NR 931 YYY13709203	VENDOR NUMBER 6803329370 0
CONTRACTOR NAME AND ADDRESS Redwood Toxicology Laboratory, Inc. 3650 Westwind Boulevard Santa Rosa, CA 95403	STATE AGENCY'S NAME AND ADDRESS Missouri Department of Corrections Cremer Therapeutic Correctional Center 689 Rt. O, P.O. Box 70 Fulton, MO 65251 Probation & Parole Offices Various locations throughout Missouri
ACCEPTED BY THE STATE OF MISSOURI AS FOLLOWS: The bid submitted by Redwood Toxicology Laboratory in response to B1E14013, including the attached Best and Final Offers (#002 dated 12/19/13 and #001 dated 11/5/13), and the enclosed clarification from Alene Seward dated 9/12/13, is accepted in its entirety.	
BUYER Laurie Borchelt	BUYER CONTACT INFORMATION Email: laurie.borchelt@oa.mo.gov Phone: (573) 751-1702 Fax: (573) 526-9816
SIGNATURE OF BUYER 	DATE 1/8/14
DIRECTOR OF PURCHASING AND MATERIALS MANAGEMENT 	



STATE OF MISSOURI
 OFFICE OF ADMINISTRATION
 DIVISION OF PURCHASING AND MATERIALS MANAGEMENT (DPMM)
 REQUEST FOR BEST AND FINAL OFFER (BAFO)
 FOR INVITATION FOR BID (IFB)

BAFO REQUEST NO.: 002
 IFB NO.: B1E14013
 TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)
 ISSUE DATE: 12/17/13

REQ NO.: NR 931 YYY13709203
 BUYER: LAURIE BORCHELT
 PHONE NO.: (573) 751-1702
 E-MAIL: laurie.borchelt@oa.mo.gov

BAFO RESPONSE SHOULD BE RETURNED BY: 12/24/13 AT 5:00 PM CENTRAL TIME

MAILING INSTRUCTIONS: Print or type IFB Number and Return Due Date on the lower left hand corner of the envelope or package. Sealed BAFOs should be in DPMM office (301 W High Street, Room 630) by the return date and time.

RETURN BAFO RESPONSE TO: DPMM (U.S. Mail) or DPMM (Courier Service)
 PO BOX 809 301 WEST HIGH STREET, RM 630
 JEFFERSON CITY MO 65102-0809 JEFFERSON CITY MO 65101-1517

CONTRACT PERIOD: DATE OF AWARD THROUGH ONE YEAR

DELIVER SUPPLIES/SERVICES FOB (Free On Board) DESTINATION TO THE FOLLOWING ADDRESS:

MISSOURI DEPARTMENT OF CORRECTIONS
 CREMER THERAPEUTIC CORRECTIONAL CENTER
 689 RT. O, P.O. BOX 70
 FULTON, MO 65251
 PROBATION & PAROLE OFFICES
 VARIOUS LOCATIONS THROUGHOUT THE STATE

The bidder hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all terms and conditions, requirements, and specifications of the original IFB as modified by any previously issued IFB amendments and by this and any previously issued BAFO requests. The bidder agrees that the language of the original IFB as modified by any previously issued IFB amendments and by this and any previously issued BAFO requests shall govern in the event of a conflict with his/her bid. The bidder further agrees that upon receipt of an authorized purchase order from the Division of Purchasing and Materials Management or when a Notice of Award is signed and issued by an authorized official of the State of Missouri, a binding contract shall exist between the bidder and the State of Missouri.

SIGNATURE REQUIRED

DOING BUSINESS AS (DBA) NAME N/A
MAILING ADDRESS 3650 Westwind Boulevard
CITY, STATE, ZIP CODE Santa Rosa, CA 95403

LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID NO. Redwood Toxicology Laboratory, Inc.
IRS FORM 1099 MAILING ADDRESS 3650 Westwind Boulevard
CITY, STATE, ZIP CODE Santa Rosa, CA 95403

CONTACT PERSON Alene Mandall		EMAIL ADDRESS bids@redwoodtoxicology.com
PHONE NUMBER (800) 255-2159 ext. 34415		FAX NUMBER (707) 577-8102
TAXPAYER ID NUMBER (TIN) 68-0332937	TAXPAYER ID (TIN) TYPE (CHECK ONE) <input checked="" type="checkbox"/> FEIN <input type="checkbox"/> SSN	VENDOR NUMBER (IF KNOWN) 68033293700
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> State/Local Government <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> IRSTax-Exempt		
AUTHORIZED SIGNATURE 		DATE 12/19/2013
PRINTED NAME Albert Berger		TITLE President

FILED DOCUMENTS

(Click above to view filed documents that are available.)

Date: 1/3/2014

[File Report Online, click here.](#)

[For a blank Registration Report, click here.](#)

Business Name History

Name	Name Type
REDWOOD TOXICOLOGY LABORATORY, INC.	Legal

General Business - Foreign - Information

Charter Number:	F00509302
Status:	Good Standing
Entity Creation Date:	6/24/2002
State of Business:	CA
Expiration Date:	Perpetual
Last Registration Report Filed Date:	4/29/2013
Last Registration Report Filed:	2013
Registration Report Month:	January

Registered Agent

Agent Name:	<u>CSC- Lawyers Incorporating Service Company</u>
Office Address:	221 Bolivar Street Jefferson City MO 65101
Mailing Address:	

December 20, 2013

Ms. Laurie Borchelt
State of Missouri
Division of Purchasing and Materials Management
301 West High Street, Room 630
Jefferson City, MO 65101

Re: BAFO #002 for ITB No. B1E14013 for On-Site Drug Testing Instruments (Colloidal Gold)

Dear Ms. Borchelt:

Redwood Toxicology Laboratory, Inc. (RTL) is pleased to present this Best and Final Offer #002 for ITB No. B1E14013 for On-Site Drug Testing Instruments (Colloidal Gold) to the State of Missouri, Department of Corrections. Included with this package are one original and one copy of the following documents:

- Best and Final Offer Form, signed by RTL's President and Authorized Signer
- RTL's Response to the State's Best and Final Offer (BAFO #002)

We are certain that the Department of Corrections will be Impressed with our product quality, attention to detail and dedication to customer service. Should the State require additional information or have additional questions, please do not hesitate to contact me at any time at (800) 255-2159, ext. 34415, or by email at amandall@redwoodtoxicology.com.

Sincerely,



Alene Mandall
Bid Analyst

BEST AND FINAL OFFER (BAFO) #002 TO IFB B1E14013

TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)

Bidders are hereby notified of the following changes and clarifications:

1. The following **PARAGRAPH** has been **DELETED**: 3.1.9
2. **EXHIBIT A** has been **REVISED**. IFB Paragraph 3.1.9 has been deleted.

Note: The changes made as a result of this amendment have been *bolded* and *italicized*.

Response to Best and Final Offer #002

To ensure that we have met all requirements, what follows are the mandatory specifications as taken directly from the BAFO #002. The specifications from the BAFO are in black; RTL's responses to each requirement are written in green.

1. IDENTIFIED DEFICIENCIES AND AREAS OF CONCERN/CLARIFICATION:

1.1 Paragraph 3.1.9 of the IFB in part states, "The tests must not be affected by abnormal pH levels nor be affected by dilute samples such as samples with creatinine levels lower than 40mg/dL."

Redwood Toxicology indicated "Yes" in Exhibit A when asked if tests are affected by abnormal pH levels, stating that tests can be affected by extreme cases of abnormal pH, but not by dilution.

In Redwood Toxicology's BAFO response, you stated, "Urine has a normal pH of 4.6-8.0. In most cases, varying ranges of pH do not interfere with the performance of the test. However, we have found that in cases of abnormal pH (such as a pH lower than 3.0 or greater than 11.0), the test will yield a faint control line and in some instances no test lines on the assays; therefore, creating false positives."

RTL understands and acknowledges that paragraph 3.1.9 in BAFO #002 has been deleted.

2. BIDDER RESPONSE TO CHANGED REQUIREMENTS:

2.1 The IFB has been revised. Redwood Toxicology Laboratory must indicate its understanding and acceptance of the revisions made to the IFB. If such revisions necessitate a change in pricing and/or change in your response, Redwood Toxicology Laboratory is required to resubmit pricing and respond to the changed IFB.

RTL understands that the IFB has been revised. Furthermore, we acknowledge and accept all changes made as a result of the amendments, BAFO #001, and BAFO #002.

earthsmart

FedEx carbon-neutral
envelope shipping

12/20/13

FedEx Ship Manager - Print Your Label(s)

From: (707) 570-4415
Aloie Mandall
Redwood Toxicology Lab.
3650 Westwind Blvd.

Origin ID: NOTA

FedEx
Express

Ship Date: 20DEC13
ActWgt: 1.0 LB
CAD: 100287503/INET3430



J13201306280326

Santa Rosa, CA 95403

Delivery Address Bar Code



SHIP TO: (573) 751-1702

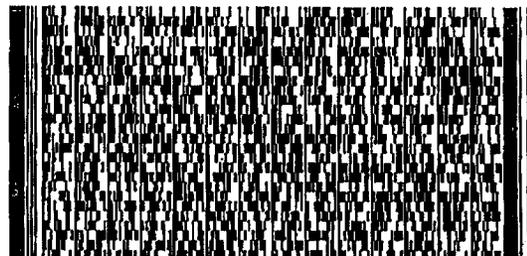
BILL SENDER

Laurie Borchelt
Div of Purchasing & Materials Mgmt
301 West High Street
Truman Building, Room 630
JEFFERSON CITY, MO 65101

Ref # BAFO #2; B1E14013
Invoice #
PO #
Dept #

TRK# 7974 7986 0298
0201

STAN



SH JEFA



RCUD DEC 24 13 PM 12:53 OA-DPMM

BEST AND FINAL OFFER

IFB B1E14013

On-Site Drug Testing Instruments

BAFO Due Date: Tuesday, December 24, 2013

BAFO Due Time: 5:00pm CST

Vendor: Redwood Toxicology Laboratory

Division of Purchasing & Materials Management

Attn: Laurie Borchelt

301 West High Street

Truman Building, Room 630



Jeremiah W. (Jay) Nixon
Governor

Doug Nelson
Commissioner

State of Missouri
OFFICE OF ADMINISTRATION
Division of Purchasing and Materials Management
301 West High Street, Room 630
Post Office Box 809
Jefferson City, Missouri 65102-0809
(573) 751-2387 FAX: (573) 526-9815
TTD: 800-735-2966 Voice: 800-735-2466
<http://content.oa.mo.gov/purchasing-materials-management>

James Miluski
Director

December 16, 2013

Redwood Toxicology Laboratory, Inc.
ATTN: Alene Mandall
3650 Westwind Boulevard
Santa Rosa, CA 95403

Via E-Mail

Dear Ms. Mandall:

In accordance with paragraph 8f of the Terms and Conditions of IFB B1E14013 On-Site Drug Testing Instruments (Colloidal Gold) and section 34.040.3, RSMo, this letter shall constitute a second official request by the State of Missouri to enter into competitive negotiations with your company. Included with this letter are two attachments.

The first attachment is the Best and Final Offer (BAFO) #002 Request List and it includes a listing of areas identified in your bid as concerns, areas requiring clarifications, and areas of deficiency which may not comply with the requirements of the IFB. The list also includes a request for specific responses to identified IFB paragraphs.

The second attachment is a complete copy of the IFB, including revisions to the IFB as a result of the BAFO. It includes a Best and Final Offer (BAFO) Form as the cover page.

Your detailed BAFO #002 response needs to include the BAFO Form, completed and signed by an authorized representative of your organization. In addition, your detailed BAFO response should address each area identified on the BAFO #002 Request List using the same numbering outline as the list. However, please be advised that it is not necessary for you to resubmit your entire bid. Only the signed BAFO Form, your response to the BAFO #002 Request List, and any portions of your bid that are being revised as a result of this request for a Best and Final Offer need to be submitted.

In your response to this Best and Final Offer #002, you may make any modification, addition, or deletion deemed necessary to your bid. However, please understand that the State of Missouri is under no obligation to advise you of concerns regarding your bid and makes no claim related thereto. Your response to this BAFO #002 request is your final opportunity to ensure that (1) all mandatory requirements of the IFB have been met, (2) all IFB requirements are adequately described since all areas of the bid are subject to evaluation, and (3) this is your best offer, including a reduction or other change to pricing.

You are requested to respond to this BAFO #002 request by submitting a written, sealed "Best and Final Offer" BY 5:00 PM CENTRAL TIME ON MONDAY, DECEMBER 23, 2013 TO:

Attention: Laurie Borchelt
Division of Purchasing and Materials Management
301 West High Street, Truman Building, Room 630
Jefferson City, MO 65101

The outside of the packet containing the BAFO response needs to state, "BAFO #002 for B1E14013 on the lower left corner. Please include the original plus one (1) copy (for a total of two (2) documents) of your response. Faxed or e-mailed responses are not acceptable.

Pursuant to section 610.021, RSMo, bid documents including any best and final offer documents are considered closed records and shall not be divulged in any manner until after a contract is executed or all bids are rejected. Furthermore, you and your agents (including subcontractors, employees, consultants, or anyone else acting on their behalf) must direct all questions or comments regarding the IFB, the evaluation, etc. to me, as the buyer. Neither you nor your agents may contact any other state employee regarding any of these matters during the negotiation and evaluation process. Inappropriate contacts or release of information about your bid or BAFO are grounds for suspension and/or exclusion from specific procurements.

If you have any questions regarding this BAFO #002 request, please contact me at (573) 751-1702 or e-mail me at laurie.borchelt@oa.mo.gov. I sincerely appreciate your efforts in working with the State of Missouri to ensure a thorough evaluation of your bid.

Sincerely,

Laurie Borchelt

c: IFB B1E14013

Attachments: Best and Final Offer Request List #002
IFB including BAFO #002 form

BEST AND FINAL OFFER REQUEST LIST

BAFO NO. 002 for B1E14013

Redwood Toxicology Laboratory, Inc.

1. **IDENTIFIED DEFICIENCIES AND AREAS OF CONCERN/CLARIFICATION:**

- 1.1 Paragraph 3.1.9 of the IFB in part states, "The tests must not be affected by abnormal pH levels nor be affected by dilute samples such as samples with creatinine levels lower than 40mg/dL."

Redwood Toxicology indicated "Yes" in Exhibit A when asked if tests are affected by abnormal pH levels, stating that tests can be affected by extreme cases of abnormal pH, but not by dilution.

In Redwood Toxicology's BAFO response, you stated, "Urine has a normal pH of 4.6-8.0. In most cases, varying ranges of pH do not interfere with the performance of the test. However, we have found that in cases of abnormal pH (such as a pH lower than 3.0 or greater than 11.0), the test will yield a faint control line and in some instances no test lines on the assays; therefore, creating false positives."

Please note that paragraph 3.1.9 in BAFO #002 has been deleted.

2. **BIDDER RESPONSE TO CHANGED REQUIREMENTS:**

- 2.1 The IFB has been revised. Redwood Toxicology Laboratory must indicate its understanding and acceptance of the revisions made to the IFB. If such revisions necessitate a change in pricing and/or change in your response, Redwood Toxicology Laboratory is required to resubmit pricing and respond to the changed IFB.



STATE OF MISSOURI
 OFFICE OF ADMINISTRATION
 DIVISION OF PURCHASING AND MATERIALS MANAGEMENT (DPMM)
 REQUEST FOR BEST AND FINAL OFFER (BAFO)
 FOR INVITATION FOR BID (IFB)

BAFO REQUEST NO.: 001
 IFB NO.: B1E14013
 TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)
 ISSUE DATE: 10/30/13

REQ NO.: NR 931 YYY13709203
 BUYER: LAURIE BORCHELT
 PHONE NO.: (573) 751-1702
 E-MAIL: laurie.borchelt@oa.mo.gov

BAFO RESPONSE SHOULD BE RETURNED BY: 11/07/13 AT 5:00 PM CENTRAL TIME

MAILING INSTRUCTIONS: Print or type IFB Number and Return Due Date on the lower left hand corner of the envelope or package. Sealed BAFOs should be in DPMM office (301 W High Street, Room 630) by the return date and time.

RETURN BAFO RESPONSE TO: (U.S. Mail) DPMM or (Courier Service) DPMM
 PO BOX 809 301 WEST HIGH STREET, RM 630
 JEFFERSON CITY MO 65102-0809 JEFFERSON CITY MO 65101-1517

CONTRACT PERIOD: DATE OF AWARD THROUGH ONE YEAR

DELIVER SUPPLIES/SERVICES FOB (Free On Board) DESTINATION TO THE FOLLOWING ADDRESS:

MISSOURI DEPARTMENT OF CORRECTIONS
 CREMER THERAPEUTIC CORRECTIONAL CENTER
 689 RT. O, P.O. BOX 70
 FULTON, MO 65251

PROBATION & PAROLE OFFICES
 VARIOUS LOCATIONS THROUGHOUT THE STATE

The bidder hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all terms and conditions, requirements, and specifications of the original IFB as modified by any previously issued IFB amendments and by this and any previously issued BAFO requests. The bidder agrees that the language of the original IFB as modified by any previously issued IFB amendments and by this and any previously issued BAFO requests shall govern in the event of a conflict with his/her bid. The bidder further agrees that upon receipt of an authorized purchase order from the Division of Purchasing and Materials Management or when a Notice of Award is signed and issued by an authorized official of the State of Missouri, a binding contract shall exist between the bidder and the State of Missouri.

SIGNATURE REQUIRED

DOING BUSINESS AS (DBA) NAME N/A		LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID NO. Redwood Toxicology Laboratory, Inc.	
MAILING ADDRESS 3650 Westwind Boulevard		IRS FORM 1099 MAILING ADDRESS 3650 Westwind Boulevard	
CITY, STATE, ZIP CODE Santa Rosa, CA 95403		CITY, STATE, ZIP CODE Santa Rosa, CA 95403	
CONTACT PERSON Alene Mandall		EMAIL ADDRESS blds@redwoodtoxicology.com	
PHONE NUMBER (800) 255-2159 ext. 34415		FAX NUMBER (707) 577-8102	
TAXPAYER ID NUMBER (TIN) 68-0332937	TAXPAYER ID (TIN) TYPE (CHECK ONE) <input checked="" type="checkbox"/> FEIN <input type="checkbox"/> SSN	VENDOR NUMBER (IF KNOWN) 68033293700	
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> State/Local Government <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> IRS Tax-Exempt			
AUTHORIZED SIGNATURE 		DATE November 5, 2013	
PRINTED NAME Barry Chapman		TITLE Chief Financial Officer	

November 5, 2013

Ms. Laurie Borchelt
State of Missouri
Division of Purchasing and Materials Management
301 West High Street, Room 630
Jefferson City, MO 65101

Re: BAFO for ITB No. B1E14013 for On-Site Drug Testing Instruments (Colloidal Gold)

Dear Ms. Borchelt:

Redwood Toxicology Laboratory, Inc. (RTL) is pleased to present this Best and Final Offer for ITB No. B1E14013 for On-Site Drug Testing Instruments (Colloidal Gold) to the State of Missouri, Department of Corrections. Included with this package are one original and one copy of the following documents:

- Best and Final Offer Form, signed by an Authorized Representative
- RTL's Response to the State's Best and Final Offer
- RTL Clarifications on the Terms and Conditions as stated in ITB No. B1E14013
- RTL's Corrected Pricing Page, No. 22

We are certain that the Department of Corrections will be impressed with our product quality, attention to detail and dedication to customer service. Should the State require additional information or have additional questions, please do not hesitate to contact me at any time at (800) 255-2159, ext. 34415, or by email at amandall@redwoodtoxicology.com.

Sincerely,



Alene Mandall
Bid Analyst

BEST AND FINAL OFFER (BAFO) #001 TO IFB B1E14013**TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)**

Bidders are hereby notified of the following changes and clarifications:

1. **CONTRACT PERIOD:**
As Stated: September 16, 2013 through September 15, 2014
Change To: Date of Award through One Year
2. The following **PARAGRAPHS** have been **REVISED**: 3.1.5, 3.1.9, and 4.7.1
3. **EXHIBIT A** has been **REVISED**. The following **PARAGRAPHS** have changed: 3.1.5 and 3.1.9

Note: The changes made as a result of this amendment have been *bolded* and *italicized*.

Response to Best and Final Offer

To ensure that we have met all requirements, what follows are the mandatory specifications as taken directly from the BAFO. The specifications from the RFP are in black; RTL's responses to each requirement are written in green.

- 1.1 Paragraph 3.1.5 of the IFB states, "All test kits shall have an expiration date clearly marked on each kit and have a minimum shelf life of eighteen (18) months from date of manufacture." Redwood Toxicology indicated "No" in Exhibit A when asked if all test kits have a minimum shelf life of eighteen (18) months from date of manufacture.**

The normal shelf life for RTL's on-site devices is a minimum of 12 months from the time of delivery. On-site devices are shipped from our warehouse according to their expiration date, starting with the most recent expiration. Depending on inventory flow, our clients may receive devices with a shelf life of 18-24 months. Given that the inventory flow fluctuates, RTL only guarantees that our devices will have a shelf life of 12 months from the time of delivery.

- 1.2 Paragraph 3.1.9 of the IFB in part states, "The tests must not be affected by abnormal pH levels nor be affected by dilute samples such as samples with creatinine levels lower than 40mg/dL." Redwood Toxicology indicated "Yes" in Exhibit A when asked if tests are affected by abnormal pH levels, stating that tests can be affected by extreme cases of abnormal pH, but not by dilution.**

Urine has a normal pH of 4.6-8.0. In most cases, varying ranges of pH do not interfere with the performance of the test. However, we have found that in cases of abnormal pH (such as a pH lower than 3.0 or greater than 11.0), the test will yield a faint control line and in some instances no test lines on the assays; therefore, creating false positives.

- 1.3 Reference line item 012 of the Redwood Toxicology response. Your bid indicates \$0.86 each, \$27.50 per box. The per each price quoted (\$0.86) multiplied by the box size of 25 equates to \$21.50. Your bid price for line item 012 was clarified previously.**

Regarding line item 012 for a Three Drug Panel Combination THC/COC/METH, the cost per device is \$0.86 each or \$21.50 per box. Please see the attached Pricing Page, No. 22, that includes the adjusted price of \$21.50 per box.

RTL Clarifications for B1E14013

- 2.4.2** Regarding shipment of on-site devices; RTL will ship the requested devices via UPS or FedEx ground delivery service at no additional charge to the State. Expedited shipping is available and will be assessed at an "at cost" basis.
- 4.3.1** Regarding training, RTL offers a variety of useful training resources to our clients including online training modules, webinar training, and on-location training. We encourage your agency to utilize online and webinar-based options, as they allow more flexibility for your staff. Per the State's request we can provide a CD-ROM with the presentations. However, the most up-to-date presentations can be accessed anytime through RTL's website, https://www.redwoodtoxicology.com/devices/certificate_training.
- 4.7.1** RTL's technical support services are available to our clients at no additional charge. RTL's normal business hours are from 7:30 a.m. to 4:00 p.m. PST (9:30 a.m. to 6:00 p.m. CST). However members of both our Toxicology Support Services and IT Support are available before normal business hours, starting at 8:00 a.m. CST. Please note that the IT Support phone will not ring prior to 9:30 a.m. CST. Should the State require support before 9:30 a.m. CST, please contact the direct extension for assistance. Below, is the contact information for Toxicology Support Services and IT Support.

Toxicology Support Services

clientservices@redwoodtoxicology.com

During Business Hours: (800) 255-2159, Option 5

Before Normal Business Hours: (800) 255-2159, ext. 34340

IT Support

helpdesk@redwoodtoxicology.com

During Business Hours: (800) 255-2159, ext. 34311

Before Normal Business Hours: (800) 255-2159, ext. 34345

011 C/S Code: 19348 77 BOX \$ 16.75/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
Two drug panel combination
THC/COC
 Approx. 25 tests per box

Brand: Reditest

Manufacturer: ABON, Inc.

Product No.: 011020006

Drug Combinations: Multiple; Please see Additional/Optional Pricing Schedule for device configurations

Tests per Box: 25/box

012 C/S Code: 19348 335 BOX \$ 21.50/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
Three drug panel combination
THC/COC/METH
 Approx. 25 tests per box

Brand: Reditest

Manufacturer: ABON, Inc.

Product No.: 011020009

Drug Combinations: Multiple; Please see Additional/Optional Pricing Schedule for device configurations

Tests per Box: 25/box

013 C/S Code: 19348 55 BOX \$ 21.50/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
Four drug panel combination
THC/COC/METH/OPI
 Approx. 25 tests per box

Brand: Reditest

Manufacturer: ABON, Inc.

Product No.: 011020012

Drug Combinations: Multiple; Please see Additional/Optional Pricing Schedule for device configurations

Tests per Box: 25/box

FEDEX

Express

BAFO for B1E14013
Site Drug Testing Instruments
Date: Thursday, November 7, 2013
Bid Due Time: 5:00pm CST
for: Redwood Toxicology Laboratory

fedEx carbon-neutral
envelope shipping

FE

From: (707) 570-4415
Alene Mandall
Redwood Toxicology Lab
3650 Westwind Blvd.

Santa Rosa, CA 95403

Origin ID: NOTA

FedEx
Express



J13201306280326

SHIP TO: (573) 751-1702

BILL SENDER

Attn: Laurie Borchelt
Div. of Purchasing & Materials Mgmt
301 West High Street
Truman Bldg, Room 630
JEFFERSON CITY, MO 65101

Ship Date: 05NOV13
ActWgt: 1.0 LB
CAD: 100287503/NET3430

Delivery Address Bar Code



Ref #
Invoice #
PO #
Dept #

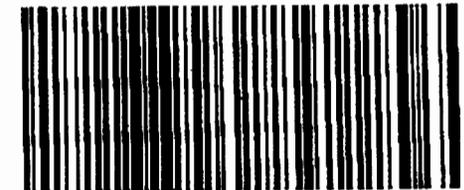
WED - 0
PRIORITY

TRK# 7970 8779 1350
0201

RCVD NOV 6'13 AM 9:25 OA-DPMM



XX JEFA



ENVELOPE



Jeremiah W. (Jay) Nixon
Governor

Doug Nelson
Commissioner

State of Missouri
OFFICE OF ADMINISTRATION
Division of Purchasing and Materials Management
301 West High Street, Room 630
Post Office Box 809
Jefferson City, Missouri 65102-0809
(573) 751-2387 FAX: (573) 526-9815
TTD: 800-735-2966 Voice: 800-735-2466
<http://content.oe.mo.gov/purchasing-materials-management>

James Miluski
Director

October 30, 2013

Redwood Toxicology Laboratory, Inc.
ATTN: Alene Seward
3650 Westwind Boulevard
Santa Rosa, CA 95403

Via E-Mail

Dear Ms. Seward:

In accordance with paragraph 8f of the Terms and Conditions of IFB B1E14013 On-Site Drug Testing Instruments (Colloidal Gold) and section 34.040.3, RSMo, this letter shall constitute an official request by the State of Missouri to enter into competitive negotiations with your company. Included with this letter are two attachments.

The first attachment is the Best and Final Offer (BAFO) Request List and it includes a listing of areas identified in your bid as concerns, areas requiring clarifications, and areas of deficiency which may not comply with the requirements of the IFB. The list also includes a request for specific responses to identified IFB paragraphs.

The second attachment is a complete copy of the IFB, including revisions to the IFB as a result of the BAFO. It includes a Best and Final Offer (BAFO) Form as the cover page.

Your detailed BAFO response needs to include the BAFO Form, completed and signed by an authorized representative of your organization. In addition, your detailed BAFO response should address each area identified on the BAFO Request List using the same numbering outline as the list. However, please be advised that it is not necessary for you to resubmit your entire bid. Only the signed BAFO Form, your response to the BAFO Request List, and any portions of your bid that are being revised as a result of this request for a Best and Final Offer need to be submitted.

In your response to this Best and Final Offer, you may make any modification, addition, or deletion deemed necessary to your bid. However, please understand that the State of Missouri is under no obligation to advise you of concerns regarding your bid and makes no claim related thereto. Your response to this BAFO request is your final opportunity to ensure that (1) all mandatory requirements of the IFB have been met, (2) all IFB requirements are adequately described since all areas of the bid are subject to evaluation, and (3) this is your best offer, including a reduction or other change to pricing.

You are requested to respond to this BAFO request by submitting a written, sealed "Best and Final Offer" **BY 5:00 PM CENTRAL TIME ON THURSDAY, NOVEMBER 7, 2013 TO:**

Attention: Laurie Borchelt
Division of Purchasing and Materials Management
301 West High Street, Truman Building, Room 630
Jefferson City, MO 65101

The outside of the packet containing the BAFO response needs to state, "BAFO for B1E14013 on the lower left corner. Please include the original plus one (1) copy (for a total of two (2) documents) of your response. Faxed or e-mailed responses are not acceptable.

Pursuant to section 610.021, RSMo, bid documents including any best and final offer documents are considered closed records and shall not be divulged in any manner until after a contract is executed or all bids are rejected. Furthermore, you and your agents (including subcontractors, employees, consultants, or anyone else acting on their behalf) must direct all questions or comments regarding the IFB, the evaluation, etc. to me, as the buyer. Neither you nor your agents may contact any other state employee regarding any of these matters during the negotiation and evaluation process. Inappropriate contacts or release of information about your bid or BAFO are grounds for suspension and/or exclusion from specific procurements.

If you have any questions regarding this BAFO request, please contact me at (573) 751-1702 or e-mail me at laurie.borchelt@oa.mo.gov. I sincerely appreciate your efforts in working with the State of Missouri to ensure a thorough evaluation of your bid.

Sincerely,

Laurie Borchelt

c: IFB B1E14013

Attachments: Best and Final Offer Request List
IFB including BAFO form

BEST AND FINAL OFFER REQUEST LIST

BAFO NO. 001 for B1E14013

Redwood Toxicology Laboratory, Inc.

1. **IDENTIFIED DEFICIENCIES AND AREAS OF CONCERN/CLARIFICATION:**

- 1.1 Paragraph 3.1.5 of the IFB states, "All test kits shall have an expiration date clearly marked on each kit and have a minimum shelf life of eighteen (18) months from date of manufacture." Redwood Toxicology indicated "No" in Exhibit A when asked if all test kits have a minimum shelf life of eighteen (18) months from date of manufacture.

Reference the change made to paragraph 3.1.5 in the BAFO. Redwood Toxicology Laboratory must propose test kits that have a minimum shelf life of twelve (12) months from date of manufacture.

- 1.2 Paragraph 3.1.9 of the IFB in part states, "The tests must not be affected by abnormal pH levels nor be affected by dilute samples such as samples with creatinine levels lower than 40mg/dL." Redwood Toxicology indicated "Yes" in Exhibit A when asked if tests are affected by abnormal pH levels, stating that tests can be affected by extreme cases of abnormal pH, but not by dilution.

Reference the change made to paragraph 3.1.9 in the BAFO. Redwood Toxicology Laboratory must propose tests that are not affected by an abnormal pH level between <3 or 11>, nor be affected by dilute samples such as samples with creatinine levels lower than 40mg/dL.

- 1.3 Reference line item 012 of the Redwood Toxicology response. Your bid indicates \$0.86 each, \$27.50 per box. The per each price quoted (\$0.86) multiplied by the box size of 25 equates to \$21.50. Your bid price for line item 012 was clarified previously.

For purposes of this BAFO request, Redwood Toxicology must reclarify the correct pricing for the Reditest ABON, Inc. 3-drug panel combination test (#011020009) bid in line item 012.

2. **BIDDER RESPONSE TO CHANGED REQUIREMENTS:**

The IFB has been revised. Redwood Toxicology Laboratory must indicate its understanding and acceptance of the revised paragraphs. If such revisions necessitate a change in pricing and/or change in your response, Redwood Toxicology is required to resubmit pricing and respond to the changed IFB paragraphs.



STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF PURCHASING AND MATERIALS MANAGEMENT (DPMM)
INVITATION FOR BID (IFB)

AMENDMENT NO.: 002
IFB NO.: B1E14013
TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)
ISSUE DATE: 08/21/13

REQ NO.: NR 931 YYY13709203
BUYER: LAURIE BORCHELT
PHONE NO.: (573) 751-1702
E-MAIL: laurie.borchelt@on.mo.gov

RETURN BID NO LATER THAN: 08/28/13 AT 2:00 PM CENTRAL TIME

MAILING INSTRUCTIONS: Print or type IFB Number and Return Due Date on the lower left hand corner of the envelope or package. Delivered sealed bids must be in DPMM office (301 W High Street, Room 630) by the return date and time.

RETURN BID AND AMENDMENT(S) TO:

(U.S. Mail)
DPMM
PO BOX 809
JEFFERSON CITY MO 65102-0809

(Courier Service)
DPMM
301 WEST HIGH STREET, ROOM 630
JEFFERSON CITY MO 65101-1517

CONTRACT PERIOD: SEPTEMBER 16, 2013 THROUGH SEPTEMBER 15, 2014

DELIVER SUPPLIES/SERVICES FOB (Free On Board) DESTINATION TO THE FOLLOWING ADDRESS:

MISSOURI DEPARTMENT OF CORRECTIONS
CREMER THERAPEUTIC CORRECTIONAL CENTER
689 RT. O, P.O. BOX 70
FULTON, MO 65251

PROBATION & PAROLE OFFICES
VARIOUS LOCATIONS THROUGHOUT THE STATE

The bidder hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all terms and conditions, requirements, and specifications of the original IFB as modified by this and any previously issued IFB amendments. The bidder should, as a matter of clarity and assurance, also sign and return all previously issued IFB amendment(s) and the original IFB document. The bidder agrees that the language of the original IFB as modified by this and any previously issued IFB amendments shall govern in the event of a conflict with his/her bid. The bidder further agrees that upon receipt of an authorized purchase order from the Division of Purchasing and Materials Management or when a Notice of Award is signed and issued by an authorized official of the State of Missouri, a binding contract shall exist between the bidder and the State of Missouri.

SIGNATURE REQUIRED

DOING BUSINESS AS (DBA) NAME N/A		LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID NO. Redwood Toxicology Laboratory, Inc.	
MAILING ADDRESS 3650 Westwind Boulevard		IRS FORM 1099 MAILING ADDRESS 3650 Westwind Boulevard	
CITY, STATE, ZIP CODE Santa Rosa, CA 95403		CITY, STATE, ZIP CODE Santa Rosa, CA 95403	
CONTACT PERSON Alene Seward, Bid Analyst		EMAIL ADDRESS bids@redwoodtoxicology.com	
PHONE NUMBER (800) 255-2159 ext.34415		FAX NUMBER (707) 577-8102	
TAXPAYER ID NUMBER (TIN) 68-0332937	TAXPAYER ID (TIN) TYPE (CHECK ONE) <input checked="" type="checkbox"/> FEIN <input type="checkbox"/> SSN	VENDOR NUMBER (IF KNOWN) 68033293700	
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> State/Local Government <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> IRS Tax-Exempt			
AUTHORIZED SIGNATURE 		DATE August 26, 2013	
PRINTED NAME Barry Chapman		TITLE Chief Financial Officer	

Borchelt, Laurie

From: Seward, Alene A [aseward@redwoodtoxicology.com]
Sent: Thursday, September 12, 2013 11:43 AM
To: Borchelt, Laurie
Subject: RE: B1E14013 - On-Site Drug Testing Instruments

Dear Ms. Borchelt,

Thank you for contacting us regarding this calculation error. The box price for the 3-drug panel dip is \$21.50/ box. I apologize for the inconvenience. Please let me know if you have any other questions. Have a wonderful day!

Sincerely,

Alene Seward
Bid Analyst

Redwood Toxicology Laboratory, Inc.
An Alere company

-----Original Message-----

From: Borchelt, Laurie [<mailto:Laurie.Borchelt@oa.mo.gov>]
Sent: Wednesday, September 11, 2013 3:02 PM
To: 'bids@redwoodtoxicology.com'
Subject: B1E14013 - On-Site Drug Testing Instruments

ATTN: Alene Seward

Alene: Thank you so much for your response to the above-referenced IFB for On-Site Drug Testing Instruments for the Missouri Department of Corrections. I had a quick question regarding your bid.

Reference line item 012. Your bid indicates \$0.86 each, \$27.50 per box. Multiplied by the box of 25, this equates to \$21.50. Is your bid for line item 012, \$21.50 or \$27.50?

Thanks...Laurie

August 20, 2013

Ms. Laurie Borchelt
State of Missouri
Division of Purchasing and Materials Management
301 West High Street, Room 630
Jefferson City, MO 65101

Re: ITB No. B1E14013 for On-Site Drug Testing Instruments (Colloidal Gold)

Dear Ms. Borchelt:

Redwood Toxicology Laboratory, Inc. (RTL) is pleased to present this response to ITB No. B1E14013 for On-Site Drug Testing Instruments (Colloidal Gold) to the State of Missouri, Department of Corrections. RTL has extensive experience providing drugs of abuse testing products and services to probation/parole, drug courts, correctional agencies and mental/behavioral health services departments across the country and in the State of Missouri. We hold state-level contracts in over two dozen states and sell more than 10 million on-site devices each year. In fact, we currently provide the Department of Corrections with on-site drug testing devices through State Contract No. C10904001. Our on-site devices afford simple, convenient ways to test for drugs of abuse in a variety of available options. We are confident that as a proven leader in drugs of abuse testing and the current on-site device provider for the State, we will be able to handle your needs with efficiency and precision.

Please note, this year we have included a list of our available laboratory-based drug testing services in addition to the instant on-site device selection. We feel that these services may benefit some of your departments and agencies, and that adding a wider variety of options will enable us to better fit the needs of more agencies. Please find the catalog of laboratory services and additional/optional price list included with this response.

RTL works hard to ensure that your drug testing experience is as simple and convenient as possible. We'd like to remind you that the following supplies are provided at no additional fee with the purchase of our on-site devices:

- Comprehensive website: Information on product specifications and configurations, instructions for use, cross-reactivity, lab services and contact information
- Informative toxicology materials: Information ranging from street names to retention/detection times
- IT/Computer support: Robust internet reporting is available on RTL's website at www.webtoxicology.com. On-site device and laboratory test results may be tracked electronically via this web solution.
- Online training option: RTL's in-depth and interactive online device training is available at http://www.redwoodtoxicology.com/products/certificate_training.html to ensure that you and your agency perform effective drug screens in a manner consistent with manufacturer recommendations.

We are certain that the Department of Corrections will be impressed with our product quality, attention to detail and dedication to customer service. RTL looks forward to continuing our relationship with State of Missouri. Please do not hesitate to contact me at any time regarding this proposal response at (800) 255-2159, ext. 34415, or by email at aseward@redwoodtoxicology.com.

Sincerely,



Alene Seward
Bid Analyst

AMENDMENT #002 TO IFB B1E14013

TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)

Prospective bidders are hereby notified of the following change:

1. The **RENEWAL OPTIONS** section of the **PRICING PAGE** has been **REVISED**.

Note: The change made as a result of this amendment has been *bolded* and *italicized*.



STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF PURCHASING AND MATERIALS MANAGEMENT (DPMM)
INVITATION FOR BID (IFB)

AMENDMENT NO.: 001
IFB NO.: B1E14013
TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)
ISSUE DATE: 07/31/13

REQ NO.: NR 931 YYY13709203
BUYER: LAURIE BORCHELT
PHONE NO.: (573) 751-1702
E-MAIL: laurie.borchelt@oa.mo.gov

RETURN BID NO LATER THAN: 08/28/13 AT 2:00 PM CENTRAL TIME

MAILING INSTRUCTIONS: Print or type IFB Number and Return Due Date on the lower left hand corner of the envelope or package. Delivered sealed bids must be in DPMM office (301 W High Street, Room 630) by the return date and time.

(U.S. Mail)	or	(Courier Service)
RETURN BID TO: DPMM		DPMM
PO BOX 809		301 WEST HIGH STREET, ROOM 630
JEFFERSON CITY MO 65102-0809		JEFFERSON CITY MO 65101-1517

CONTRACT PERIOD: SEPTEMBER 16, 2013 THROUGH SEPTEMBER 15, 2014

DELIVER SUPPLIES/SERVICES FOB (Free On Board) DESTINATION TO THE FOLLOWING ADDRESS:

MISSOURI DEPARTMENT OF CORRECTIONS
CREMER THERAPEUTIC CORRECTIONAL CENTER
689 RT. O, P.O. BOX 70
FULTON, MO 65251

PROBATION & PAROLE OFFICES
VARIOUS LOCATIONS THROUGHOUT THE STATE

The bidder hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all terms and conditions, requirements, and specifications of the original IFB as modified by this and any previously issued IFB amendments. The bidder should, as a matter of clarity and assurance, also sign and return all previously issued IFB amendment(s) and the original IFB document. The bidder agrees that the language of the original IFB as modified by this and any previously issued IFB amendments shall govern in the event of a conflict with his/her bid. The bidder further agrees that upon receipt of an authorized purchase order from the Division of Purchasing and Materials Management or when a Notice of Award is signed and issued by an authorized official of the State of Missouri, a binding contract shall exist between the bidder and the State of Missouri.

SIGNATURE REQUIRED

DOING BUSINESS AS (DBA) NAME N/A		LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID NO. Redwood Toxicology Laboratory, Inc.	
MAILING ADDRESS 3650 Westwind Boulevard		IRS FORM 1099 MAILING ADDRESS 3650 Westwind Boulevard	
CITY, STATE, ZIP CODE Santa Rosa, CA 95403		CITY, STATE, ZIP CODE Santa Rosa, CA 95403	
CONTACT PERSON Alene Seward, Bid Analyst		EMAIL ADDRESS bids@redwoodtoxicology.com	
PHONE NUMBER (800) 255-2159 ext.34415		FAX NUMBER (707) 577-8102	
TAXPAYER ID NUMBER (TIN) 68-0332937	TAXPAYER ID (TIN) TYPE (CHECK ONE) <input checked="" type="checkbox"/> FEIN <input type="checkbox"/> SSN	VENDOR NUMBER (IF KNOWN) 68033293700	
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> State/Local Government <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> IRS Tax-Exempt			
AUTHORIZED SIGNATURE 		DATE August 20, 2013	
PRINTED NAME Barry Chapman		TITLE Chief Financial Officer	

AMENDMENT #001 TO IFB BIE14013

TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)

CONTRACT PERIOD: SEPTEMBER 16, 2013 THROUGH SEPTEMBER 15, 2014

Prospective bidders are hereby notified of the following changes and clarifications:

1. The following **PARAGRAPHS** have been **REVISED**: 3.1.1 and 4.2.1
2. The following **PARAGRAPH** has been **DELETED**: 4.10.1

Note: The changes made as a result of this amendment have been *bolded* and *italicized*.



STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF PURCHASING AND MATERIALS MANAGEMENT (DPMM)
INVITATION FOR BID (IFB)

IFB NO.: BIE14013
TITLE: ON-SITE DRUG TESTING INSTRUMENTS (Colloidal Gold)
ISSUE DATE: 08/07/13

REQ NO.: NR 931 YYY13709203
BUYER: LAURIE BORCHELT
PHONE NO.: (573) 751-1702
E-MAIL: laurie.borchelt@on.mo.gov

CLOSING DATE REVISED BY AMENDMENT #001
RETURN BID NO LATER THAN: 08/28/13 AT 2:00 PM CENTRAL TIME

MAILING INSTRUCTIONS: Print or type IFB Number and Return Due Date on the lower left hand corner of the envelope or package. Delivered sealed bids must be in DPMM office (301 W High Street, Room 630) by the return date and time.

RETURN BID TO:	(U.S. Mail)	DPMM	or	(Courier Service)	DPMM
		PO BOX 809			301 WEST HIGH STREET, ROOM 630
		JEFFERSON CITY MO 65102-0809			JEFFERSON CITY MO 65101-1517

CONTRACT PERIOD: SEPTEMBER 16, 2013 THROUGH SEPTEMBER 15, 2014

DELIVER SUPPLIES/SERVICES FOB (Free On Board) DESTINATION TO THE FOLLOWING ADDRESS:

MISSOURI DEPARTMENT OF CORRECTIONS
CREMER THERAPEUTIC CORRECTIONAL CENTER
689 RT. O, P.O. BOX 70
FULTON, MO 65251

PROBATION & PAROLE OFFICES
VARIOUS LOCATIONS THROUGHOUT THE STATE

The bidder hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all requirements and specifications contained herein and the Terms and Conditions Invitation for Bid (Revised 12/27/12). The bidder further agrees that the language of this IFB shall govern in the event of a conflict with his/her bid. The bidder further agrees that upon receipt of an authorized purchase order from the Division of Purchasing and Materials Management or when a Notice of Award is signed and issued by an authorized official of the State of Missouri, a binding contract shall exist between the bidder and the State of Missouri.

SIGNATURE REQUIRED

DOING BUSINESS AS (DBA) NAME Not Applicable		LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID NO. Redwood Toxicology Laboratory, Inc.	
MAILING ADDRESS 3650 Westwind Boulevard		IRS FORM 1099 MAILING ADDRESS 3650 Westwind Boulevard	
CITY, STATE, ZIP CODE Santa Rosa, CA 95403		CITY, STATE, ZIP CODE Santa Rosa, CA 95403	
CONTACT PERSON Alene Seward, Bid Analyst		EMAIL ADDRESS bids@redwoodtoxicology.com	
PHONE NUMBER (800) 255-2159 ext.34415		FAX NUMBER (707) 577-8102	
TAXPAYER ID NUMBER (TIN) 68-0332937	TAXPAYER ID (TIN) TYPE (CHECK ONE) <input checked="" type="checkbox"/> FEIN <input type="checkbox"/> SSN	VENDOR NUMBER (IF KNOWN) 68033293700	
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> State/Local Government <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> IRS Tax-Exempt			
AUTHORIZED SIGNATURE 		DATE August 20, 2013	
PRINTED NAME Barry Chapman		TITLE Chief Financial Officer	

1. INTRODUCTION

1.1 Purpose:

- 1.1.1 This document constitutes an invitation for sealed bids from prospective bidders for the purchase of on-site colloidal gold drug testing devices for the Department of Corrections' Cremer Therapeutic Correctional Center, in Fulton, Missouri and various Probation and Parole offices located throughout Missouri (hereinafter referred to as the state agency) in accordance with the requirements and provisions stated herein.

1.2 Background:

- 1.2.1 It is the intent of this IFB to establish a contract for colloidal gold non-instrument based immunoassay on-site drug testing devices which provide a simple, accurate, and cost effective immunoassay testing alternative to laboratory testing for urinalysis.

1.3 Awarded Bid & Contract Document Search:

- 1.3.1 Both the current contract (C109040001) and the previous procurement documentation (BIE09040) may be viewed and printed from the Division of Purchasing & Materials Management's Awarded Bid & Contract Document Search located on the Internet at <http://www.oa.mo.gov/purch>.

2. CONTRACTUAL REQUIREMENTS

2.1 Contract:

- 2.1.1 A binding contract shall consist of: (1) the IFB and any amendments thereto, (2) the contractor's response (bid) to the IFB, (3) clarification of the bid, if any, and (4) the Division of Purchasing and Materials Management's acceptance of the response (bid) by "notice of award". All Exhibits and Attachments included in the IFB shall be incorporated into the contract by reference.
- 2.1.2 A notice of award issued by the State of Missouri does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services for the State of Missouri, the contractor must receive a properly authorized purchase order or other form of authorization given to the contractor at the discretion of the state agency.
- 2.1.3 The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein.
- 2.1.4 Any change to the contract, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the contractor and the Division of Purchasing and Materials Management prior to the effective date of such modification. The contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification to the contract.

2.2 Contract Period:

- 2.2.1 The original contract period shall be as stated on page 1 of the Invitation for Bid (IFB). The contract shall not bind, nor purport to bind, the state for any contractual commitment in excess of the original contract period. The Division of Purchasing and Materials Management shall have the right, at its sole option, to renew the contract for two (2) additional one-year periods, or any portion thereof. In the event the Division of Purchasing and Materials Management exercises such right, all terms and conditions, requirements and specifications of the contract shall remain the same and apply during the renewal period, pursuant to

applicable option clauses of this document. However, the contractor shall understand and agree that any renewal period increases specified in the proposal are not automatic. If at the time of contract renewal the state determines funding does not permit the specified renewal pricing increase or even a portion thereof, the renewal pricing shall remain the same as during the previous contract period. If such action is rejected by the contractor, the contract may be terminated, and a new procurement process may be conducted. The contractor shall also understand and agree the state may determine funding limitations necessitate a decrease in the contractor's pricing for the renewal period(s). If such action is necessary and the contractor rejects the decrease, the contract may be terminated, and a new procurement process may be conducted.

2.3 Renewal Periods:

2.3.1 If the option for renewal is exercised by the Division of Purchasing and Materials Management, the contractor shall agree that the prices for the renewal period shall not exceed the maximum percent of increase for the applicable renewal period stated on the Pricing Page of the contract.

- a. If renewal percentages are not provided, then prices during renewal periods shall be the same as during the original contract period.
- b. The Division of Purchasing and Materials Management does not automatically exercise its option for renewal based upon the maximum percent of increase and reserves the right to offer or to request renewal of the contract at a price less than the maximum percent of increase stated.

2.4 Prices:

2.4.1 All prices shall be as indicated on the Pricing Page. The state shall not pay nor be liable for any other additional costs including but not limited to taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

2.4.2 Prices shall include all packing, handling, shipping and freight charges *FOB Destination, Freight Prepaid and Allowed*. The State of Missouri shall not make additional payments or pay add-on charges for freight or shipping unless specifically described and priced in the bid, or as otherwise specifically stated and allowed by the IFB.

2.5 Termination:

2.5.1 The Division of Purchasing and Materials Management reserves the right to terminate the contract at any time, for the convenience of the State of Missouri, without penalty or recourse, by giving written notice to the contractor at least thirty (30) calendar days prior to the effective date of such termination. The contractor shall be entitled to receive compensation for services and/or supplies delivered to and accepted by the State of Missouri pursuant to the contract prior to the effective date of termination.

2.6 Insurance:

2.6.1 The contractor shall understand and agree that the State of Missouri cannot save and hold harmless and/or indemnify the contractor or employees against any liability incurred or arising as a result of any activity of the contractor or any activity of the contractor's employees related to the contractor's performance under the contract. Therefore, the contractor must acquire and maintain adequate liability insurance in the form(s) and amount(s) sufficient to protect the State of Missouri, its agencies, its employees, its clients, and the general public against any such loss, damage and/or expense related to his/her performance under the contract. General and other non-professional liability insurance shall include an endorsement that adds the State of Missouri as an additional insured. Self-insurance coverage or another alternative risk financing mechanism may be utilized provided that such coverage is verifiable and irrevocably reliable and the State of Missouri is protected as an additional insured.

2.7 Payment Terms:

- 2.7.1 The contractor shall understand and agree the state reserves the right to make contract payments to the contractor through electronic funds transfer (EFT). Therefore, prior to any payments becoming due under the contract, the contractor must return a completed state Vendor ACH/EFT Application, which is downloadable from the Vendor Services Portal at: <https://www.vendorservices.mo.gov/vendorservices/Portal/Default.aspx>. Each contractor invoice must be on the contractor's original descriptive business invoice form and must contain a unique invoice number. The invoice number will be listed on the state's EFT addendum record to enable the contractor to properly apply state payments to invoices. The contractor must comply with all other invoicing requirements stated in the IFB.
- 2.7.2 The contractor may obtain detailed information for payments issued for the past 24 months from the State of Missouri's central accounting system (SAM II) on the Vendor Services Portal at <https://www.vendorservices.mo.gov/vendorservices/Portal/Default.aspx>.
- 2.7.3 All payment terms shall be as stated in the Terms and Conditions of the contract (see paragraph 10, "Invoicing and Payment") unless otherwise addressed in the IFB, or mutually agreed to by the state and the contractor. Payment terms should be net 30 days unless otherwise stated in the IFB. No late charges shall be applied which are not in compliance with Chapter 34.055 RSMo. This statute may be found at <http://www.moga.mo.gov/STATUTES/STATUTES.HTM>.

2.8 Invoicing:

- 2.8.1 All Correctional state agency invoices, regardless of where the items are shipped, should be sent to the Missouri Department of Corrections, Toxicology Laboratory, ATTN: Business Manager, P.O. Box 70, Fulton, Missouri 65251. All invoices must include the purchase order number and the Probation and Parole District to which the items were shipped.

2.9 Federal Funds Requirement:

- 2.9.1 The contractor shall understand and agree that this procurement may involve the expenditure of federal funds. Therefore, in accordance with the Departments of Labor, Health and Human Services, and Education and Related Agencies Appropriations Act, Public Law 101-166, Section 511, "Steven's Amendment", the contractor shall not issue any statements, press releases, and other documents describing projects or programs funded in whole or in part with Federal money unless the prior approval of the state agency is obtained and unless they clearly state the following as provided by the state agency:
- a. the percentage of the total costs of the program or project which will be financed with Federal money;
 - b. the dollar amount of Federal funds for the project or program; and
 - c. percentage and dollar amount of the total costs of the project or program that will be financed by nongovernmental sources.

2.10 Cooperative Procurement Program:

- 2.10.1 If the contractor has indicated agreement on the Pricing Page with participation in the Cooperative Procurement Program, the contractor shall provide colloidal gold non-instrument based immunoassay on-site drug testing kits as described herein under the terms and conditions, requirements and specifications of the contract, including prices, to other government entities in accordance with the Technical Services Act (67.360 RSMo, which is available on the internet at: <http://www.moga.mo.gov/statutes/c000-099/0670000360.htm>.) The contractor shall further understand and agree that participation by other governmental entities is discretionary on the part of that governmental entity and the State of Missouri bears no financial responsibility for any payments due the contractor by such governmental entities.

2.11 Other Agencies May Order:

- 2.11.1 The state reserves the right to allow other state agencies to order from the contract, providing prior approval of the Division of Purchasing and Materials Management is obtained.

2.12 Non-Exclusive Contract:

- 2.12.1 The contractor shall agree and understand that the contract shall not be construed as an exclusive contract and that agencies may obtain similar or identical products, items, or services from other sources as deemed appropriated and in the best interests of the State of Missouri.

2.13 Estimated Quantities:

- 2.13.1 The quantities indicated in this Invitation for Bid are estimates that pertain to the total aggregate quantities that may be ordered incrementally at multiple times throughout the stated contract period. The estimates do not indicate single order amounts unless otherwise stated. The State of Missouri makes no guarantees about single order quantities or total aggregate order quantities.

2.14 Contractor Liability:

- 2.14.1 The contractor shall be responsible for any and all personal injury (including death) or property damage as a result of the contractor's negligence involving any equipment or service provided under the terms and conditions, requirements and specifications of the contract. In addition, the contractor assumes the obligation to save the State of Missouri, including its agencies, employees, and assignees, from every expense, liability, or payment arising out of such negligent act. The contractor also agrees to hold the State of Missouri, including its agencies, employees, and assignees, harmless for any negligent act or omission committed by any subcontractor or other person employed by or under the supervision of the contractor under the terms of the contract.
- 2.14.2 The contractor shall not be responsible for any injury or damage occurring as a result of any negligent act or omission committed by the State of Missouri, including its agencies, employees, and assignees.

2.15 Inventions, Patents, and Copyrights:

- 2.15.1 The contractor shall report to the state promptly and in reasonable written detail, each notice or claim of patent or copyright infringement based on the performance of the contract of which the contractor has knowledge.
- 2.15.2 The state agrees that the contractor has the right to defend or at its option to settle, and the contractor agrees to defend at its own expense or at its option to settle, any claim, suit or proceeding brought against the state on the issue of infringement of any United States patent or copyright by any product, or any part thereof, supplied by the contractor to the state under this agreement. The contractor agrees to pay, subject to the limitations hereinafter set forth in this paragraph, any final judgment entered against the state on such issue in any suit or proceeding defended by the contractor. The state agrees that the contractor at its sole option shall be relieved of the foregoing obligations unless the state notifies the contractor promptly in writing of any such claim, suit, or proceeding, and at the contractor's expense, gives the contractor proper and full information needed to settle and/or to defend any such claim, suit, or proceeding. If the product, or any part thereof, furnished by the contractor to the state becomes, or in the opinion of the contractor may become, the subject of any claim, suit, or proceeding for infringement of any United States patent or copyright, or in the event of any adjudication that such product or part infringes any United States patent or copyright, or if the use, lease, or sale of such product or part is enjoined, the contractor may, at its option and its expense: (1) procure for the state the right under such patent or copyright to use, lease, or sell as appropriate such product or part, or (2) replace such product or part with other product or part suitable to the state, or (3) suitably modify such product or part, or (4) discontinue the use of such product or part and refund the aggregated payments and transportation costs paid therefore by the state, less a reasonable sum for use and damage. The contractor shall have no liability for any infringement based upon: (1) the combination of such product or part with any other product or part not

furnished to the state by the contractor, or (2) the modification of such product or part unless such modification was made by the contractor, or (3) the use of such product or part in manner for which it was not designed.

- 2.15.3 The contractor shall not be liable for any cost, expense, or compromise, incurred or made by the state in conjunction with any issue of infringement without the contractor's prior written authorization. The foregoing defines the entire warranty by the contractor and the exclusive remedy of the state with respect to any alleged patent infringement by such product or part.

2.16 Hazardous Materials Data Sheet and Labeling:

- 2.16.1 The State of Missouri, Division of Purchasing and Materials Management, in accordance with the revised rules and regulations of the Occupational Safety and Health Administration (OSHA) requires that all hazardous chemicals and other appropriate commodities purchased by the State of Missouri must contain a material safety data sheet and warning labels for each shipment. Therefore, the contractor must comply with this mandatory requirement for all commodities which contain hazardous material. Failure to comply with this requirement may cause cancellation of the contract with goods returned at the contractor's expense as well as suspension from the solicitation list for future requirements.

2.17 Subcontractors:

- 2.17.1 Any subcontracts for the products/services described herein must include appropriate provisions and contractual obligations to ensure the successful fulfillment of all contractual obligations agreed to by the contractor and the State of Missouri and to ensure that the State of Missouri is indemnified, saved, and held harmless from and against any and all claims of damage, loss, and cost (including attorney fees) of any kind related to a subcontract in those matters described in the contract between the State of Missouri and the contractor. The contractor shall expressly understand and agree that he/she shall assume and be solely responsible for all legal and financial responsibilities related to the execution of a subcontract. The contractor shall agree and understand that utilization of a subcontractor to provide any of the products/services in the contract shall in no way relieve the contractor of the responsibility for providing the products/services as described and set forth herein. The contractor must obtain the approval of the State of Missouri prior to establishing any new subcontracting arrangements and before changing any subcontractors. The approval shall not be arbitrarily withheld.

2.18 Independent Contractor:

- 2.18.1 The contractor is an independent contractor and shall not represent the contractor or the contractor's employees to be employees of the State of Missouri or an agency of the State of Missouri. The contractor shall assume all legal and financial responsibility for salaries, taxes, FICA, employee fringe benefits, workers compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save, and hold the State of Missouri, its officers, agents, and employees, harmless from and against, any and all loss; cost (including attorney fees); and damage of any kind related to such matters.

2.19 Participation by Other Organizations:

- 2.19.1 The contractor must comply with any Organization for the Blind/Sheltered Workshop participation levels committed to in the contractor's awarded bid.
- 2.19.2 The contractor shall prepare and submit to the Division of Purchasing and Materials Management a report detailing all payments made by the contractor to Organizations for the Blind/Sheltered Workshops participating in the contract for the reporting period. The contractor must submit the report on a monthly basis, unless otherwise determined by the Division of Purchasing and Materials Management.
- 2.19.3 The Division of Purchasing and Materials Management will monitor the contractor's compliance in meeting the Organizations for the Blind/Sheltered Workshop participation levels committed to in the contractor's awarded bid. If the contractor's payments to the participating entities are less than the amount committed, the

state may cancel the contract and/or suspend or debar the contractor from participating in future state procurements, or retain payments to the contractor in an amount equal to the value of the participation commitment less actual payments made by the contractor to the participating entity. If the Division of Purchasing and Materials Management determines that the contractor becomes compliant with the commitment, any funds retained as stated above, will be released.

- 2.19.4 If a participating entity fails to retain the required certification or is unable to satisfactorily perform, the contractor must obtain other organizations for the blind/sheltered workshops to fulfill the participation requirements committed to in the contractor's awarded bid.
- a. The contractor must obtain the written approval of the Division of Purchasing and Materials Management for any new entities. This approval shall not be arbitrarily withheld.
 - b. If the contractor cannot obtain a replacement entity, the contractor must submit documentation to the Division of Purchasing and Materials Management detailing all efforts made to secure a replacement. The Division of Purchasing and Materials Management shall have sole discretion in determining if the actions taken by the contractor constitute a good faith effort to secure the required participation and whether the contract will be amended to change the contractor's participation commitment.
- 2.19.5 Within thirty days of the end of the original contract period, the contractor must submit an affidavit to the Division of Purchasing and Materials Management. The affidavit must be signed by the director or manager of the participating Organizations for the Blind/Sheltered Workshop verifying provision of products and/or services and compliance of all contractor payments made to the Organizations for the Blind/Sheltered Workshops. The contractor may use the affidavit available on the Division of Purchasing and Materials Management's website at <http://oa.mo.gov/purch/vendor.html> or another affidavit providing the same information.
- 2.20 Contractor's Personnel:
- 2.20.1 The contractor shall only employ personnel authorized to work in the United States in accordance with applicable federal and state laws. This includes but is not limited to the Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA) and INA Section 274A.
- 2.20.2 If the contractor is found to be in violation of this requirement or the applicable state, federal and local laws and regulations, and if the State of Missouri has reasonable cause to believe that the contractor has knowingly employed individuals who are not eligible to work in the United States, the state shall have the right to cancel the contract immediately without penalty or recourse and suspend or debar the contractor from doing business with the state.
- 2.20.3 The contractor shall agree to fully cooperate with any audit or investigation from federal, state, or local law enforcement agencies.

3. TECHNICAL SPECIFICATIONS

3.1 Colloidal Gold On-site Drug Testing Devices:

PARAGRAPH REVISED BY AMENDMENT #001

- 3.1.1 *With the exception of the K-2/Spice*, all test devices must be previously approved by the U.S. Food and Drug Administration (FDA) for commercial distribution as a medical device. The contractor must provide a copy of the active FDA 510K-notification document.
- 3.1.2 The contractor must be able to provide testing devices in both single and multi-drug combinations. At a minimum, these drug tests must be available for the following drugs: Amphetamines, Methamphetamines, Cocaine, Opiates, PCP, THC (marijuana), Barbiturates, Benzodiazepines, and MDMA (Ecstasy) and K-2/Spice.

- 3.1.3 Each test kit shall contain all elements necessary to complete the test. Test kits which require other supplies or chemicals integral to accurate testing, which are not included within each kit, shall be unacceptable.
- 3.1.4 The tests kits shall not require electricity, special plumbing, instrumentation, calibration, a laboratory environment or refrigeration of reagents.
- 3.1.5 All test kits shall have an expiration date clearly marked on each kit and have a minimum shelf life of eighteen (18) months from date of manufacture. The state agency shall receive test kits at least twelve (12) months prior to the expiration date, or they may be rejected at the contractor's expense.
- 3.1.6 The testing devices must follow the current Substance Abuse and Mental Health Services Administration's (SAMHSA) cut-off levels for detection of positive drug screens, except for Opiates which must have a 300 ng/ml cut-off level and Benzodiazepines and Barbiturates which must have a 300 ng/ml cut-off level available and thus defensible by gas chromatograph/mass spectrometer (GC/MS) confirmatory cut-off levels.
- a. The Opiate test kit must be able to detect morphine, codeine, hydrocodone, hydromorphone, oxycodone, and 6-acetylmorphine.
 - b. The THC (marijuana) test kit must not detect Motrin (ibuprofen) or Aleve (naproxen) and/or their metabolites.
 - c. The Amphetamine or Methamphetamine test kit must not detect Zantac (Ranitidine) and/or its metabolized products.
- 3.1.7 The test kits must be able to be stored at room temperature.
- 3.1.8 The test kits must be completely portable and conveniently packaged for field use.
- 3.1.9 The testing devices must not require any pretreatment of the urine sample prior to testing and must be able to be run on a sample immediately after collection. Also, the tests must not require that samples reach room temperature unless it has been refrigerated. The tests must not be affected by abnormal pH levels nor be affected by dilute samples such as samples with creatinine levels lower than 40mg/dL.
- 3.1.10 The donor of a urine sample must not have any access to the testing device portion of a test kit during the sample collection process.
- 3.1.11 The testing devices must have an indicator/control line prompting the user when to interpret results and must not require the use of a stopwatch or timing device. A schematic or illustration showing positive and negative result interpretation must be on the onsite device itself.
- 3.1.12 The testing devices must be available for reading results in seven (7) minutes or less.
- 3.1.13 The test results must be stable for a minimum of thirty (30) minutes.
- 3.1.14 The test results must be easy to read with test result interpretation of positive and negative clearly defined on the device. Testing devices with test result interpretation defined on the outer packaging only shall not be acceptable.
- 3.1.15 The test results must be able to be photocopied or scanned creating either a paper or electronic permanent file copy for retention.
- 3.1.16 The testing devices must be highly accurate and reliable with performance data comparable to gas chromatograph/mass spectrometer (GC/MS) testing.

- 3.1.17 The testing devices shall minimize false positive results caused by over-the-counter medications and their metabolites. Any over-the-counter medication and metabolites that may cause a false positive must be documented in a cross-reactivity list.
- 3.1.18 The devices must be (1) accurate (meeting or exceeding all SAMHSA cut-off levels identified herein), (2) easy to administer by any authorized and trained personnel, and (3) include instructions which are clear and easy to understand and provide clear and easy to interpret results.
- 3.1.19 The test devices should be verifiable by published third party studies indicating accuracy, reliability, false positive and false negative data. All studies must be based on real urine samples and not on a set of standards.
- 3.1.20 The test devices should be documented in criminal court case references regarding the device's reliability and accurateness.

4. PERFORMANCE REQUIREMENTS

4.1 General:

- 4.1.1 The contractor shall provide colloidal gold on-site drug testing instruments on an as needed, if needed basis as ordered by the state agency. The contractor must comply with all mandatory requirements and specifications presented herein pertaining to the provision of colloidal gold on-site drug testing instruments.
- 4.1.2 The contractor shall agree that product provided under contract shall conform to all mandatory specifications, terms, conditions and requirements stated herein. Furthermore, if the product has been sample-tested, the contractor shall agree that the same product submitted for sample-testing and which passed sample-testing shall be provided to the state agency for the duration of the contract.

4.2 FDA 510K Notification:

PARAGRAPH REVISED BY AMENDMENT #001

- 4.2.1 *With the exception of K-2/Splice*, all test devices must be previously approved by the U.S. Food and Drug Administration (FDA) for commercial distribution as a medical device. The contractor must provide a copy of the active FDA 510K-notification document at the request of the state agency.

4.3 Training Materials:

- 4.3.1 The contractor must provide training materials on the proper use of the testing devices to achieve accurate test results, including either a video or a CD-ROM to each facility at no additional cost to the State of Missouri. The video or CD-ROM is necessary due to the high personnel turnover within the state agency.

4.4 User Training:

- 4.4.1 The contractor must provide onsite "train the trainer" courses on a regional basis to include training on all testing devices identified herein. Training shall include, but not be limited to, basic drug testing training and training on current drug testing issues such as sample tampering, passive inhalation, drug detection periods and drug cross-reactivities, at no additional cost to the State of Missouri. The training shall be held, but not limited to, at least six (6) Probation and Parole regional offices. The number of training courses held each year shall be mutually agreed to by the contractor and the state agency, with the final number of training sessions being determined by the state agency. The specific locations shall be coordinated with the contractor by the state agency.

4.5 Manufacturer's Court Support:

- 4.5.1 The contractor must be able to provide the manufacturer's court support, should the testing devices identified herein be challenged, at no additional cost to the State of Missouri.

4.6 Manufacturer's Direct Support:

4.6.1 The contractor must be able to provide direct support (training, technical advice, legal support, etc.) from the manufacturer of the testing devices identified herein to the state agency at no additional cost to the State of Missouri. The contractor must provide the agency with a toll free number for the direct support.

4.7 Technical Support:

4.7.1 The contractor must be able to provide technical support Monday through Friday during normal working hours, excluding U.S. holidays, at no additional cost to the State of Missouri.

4.8 Product Liability Insurance:

4.8.1 The contractor and the manufacturer of the testing devices identified herein must be able to provide evidence of product liability insurance of said testing devices if requested by the state agency.

4.9 Felony Convictions:

4.9.1 The contractor nor manufacturer nor any of the contractor or manufacturer's employees shall have been convicted of, nor pleaded guilty to, a felony in the last five (5) years.

4.10 Bankruptcy:

PARAGRAPH DELETED BY AMENDMENT #001

4.10.1 (Deleted)**4.11 Substitutions:**

4.11.1 The contractor shall not substitute any item(s) that has been awarded to the contractor without the prior written approval of the Division of Purchasing and Materials Management.

4.11.2 In the event an item becomes unavailable, the contractor shall be responsible for providing a suitable substitute item. The contractor's failure to provide an acceptable substitute may result in cancellation or termination of the contract.

4.11.3 Any item substitution must be a replacement of the contracted item with a product of equal or better capabilities and quality, and with equal or lower pricing. The contractor shall understand that the state reserves the right to allow the substitution of any new or different product/system offered by the contractor. The Division of Purchasing and Materials Management shall be the final authority as to acceptability of any proposed substitution.

4.11.4 Any item substitution shall require a formal contract amendment authorized by the Division of Purchasing and Materials Management prior to the state acquiring the substitute item under the contract.

4.11.5 The state may choose not to compel an item substitution in the event requiring a substitution would be deemed unreasonable in the sole opinion of the State of Missouri. The contractor shall not be relieved of substituting a product in the event of manufacturer discontinuation or other reason simply for reasons of unprofitability to the contractor.

4.12 Replacement of Damaged Product:

4.12.1 The contractor shall be responsible for replacing any item received in damaged condition at no cost to the State of Missouri. This includes all shipping costs for returning non-functional items to the contractor for replacement.

4.13 Delivery Performance:

- 4.13.1 The contractor shall deliver products in accordance with the contracted delivery times stated herein to the state agency upon receipt of an authorized purchase order or P-card transaction notice. Delivery shall include unloading shipments at the state agency's dock or other designated unloading site as requested by the state agency. All orders must be shipped F.O.B. Destination, Freight Prepaid and Allowed. All orders received on the last day of the contract, must be shipped at the contract price. All deliveries must be coordinated with the state agency.
- 4.13.2 The contractor shall ship orders to the locations as specified below. The contract shall agree and understand that the State of Missouri reserves the right to add and/or delete locations as necessary. A formal contract amendment authorized by the Division of Purchasing and Materials Management will be required regarding changes made to the delivery locations

PROBATION AND PAROLE OFFICE
3305 FARRON STREET
ST. JOSEPH, MO 64506

PROBATION AND PAROLE OFFICE
98 S. WASHINGTON STREET
CHILLICOTHE, MO 64601

PROBATION AND PAROLE OFFICE
2002 WARREN BARRETT DR.
HANNIBAL, MO 63401

PROBATION AND PAROLE OFFICE
1730 PROSPECT, 2ND FLOOR
KANSAS CITY, MO 64127

PROBATION AND PAROLE OFFICE
610 N. RIDGEVIEW DR.
WARRENSBURG, MO 64093

PROBATION AND PAROLE OFFICE
1500 VANDIVER, STE. 110
COLUMBIA, MO 65202

PROBATION AND PAROLE OFFICE
1919 N. RANGELINE RD.
JOPLIN, MO 64801

PROBATION AND PAROLE OFFICE
2530 S. CAMPBELL, SUITE H
SPRINGFIELD, MO 65807

PROBATION AND PAROLE OFFICE
1105 KINGSHIGHWAY
ROLLA, MO 65401

PROBATION AND PAROLE OFFICE
1430 DOUBET ROAD
FARMINGTON, MO 63640

PROBATION AND PAROLE OFFICE
1580 IMPERIAL CENTER
WEST PLAINS, MO 65775

PROBATION AND PAROLE OFFICE
102 ARTHUR
SIKESTON, MO 63801

PROBATION AND PAROLE OFFICE
4621 YEAGER ROAD
HILLSBORO, MO 63050

PROBATION AND PAROLE OFFICE
#3 TRUMAN CT.
UNION, MO 63084

PROBATION AND PAROLE OFFICE
211 COMPASS POINT DR.
ST. CHARLES, MO 63301

PROBATION AND PAROLE OFFICE
1718 PROSPECT DR. SUITE A
MACON, MO 63552

PROBATION AND PAROLE OFFICE
910 KENT
LIBERTY, MO 64068

PROBATION AND PAROLE OFFICE
409 W. HIGHWAY 54W
CAMDENTON, MO 65020

PROBATION AND PAROLE OFFICE
2720 SHEPPARD of the HILLS EXPR
BRANSON, MO 65616

PROBATION AND PAROLE OFFICE
3463 ARMSTRONG DR.
CAPE GIRARDEAU, MO 63701

PROBATION AND PAROLE OFFICE
1401 LAURA DRIVE
KENNETT, MO 63857

PROBATION AND PAROLE OFFICE
1440 E. 42ND STREET, SUITE 100
INDEPENDENCE, MO 64055

PROBATION AND PAROLE OFFICE
1441 Black River Ind. Park Rd.
POPLAR BLUFF, MO 63901

PROBATION AND PAROLE OFFICE
2705 W. MAIN
JEFFERSON CITY, MO 65109
PROBATION AND PAROLE OFFICE
205 THOMPSON ROAD
SEDALIA, MO 65301

PROBATION AND PAROLE OFFICE
915 Hwy 84 WEST
CARUTHERSVILLE, MO 63830

PROBATION AND PAROLE OFFICE
1845 LaQUESTA DRIVE
NEOSHO, MO 64850

PROBATION AND PAROLE OFFICE
300 SOUTH JACKSON
LEBANON, MO 65536

PROBATION AND PAROLE OFFICE
1003 WILDWOOD, SUITE A
DEXTER, MO 63841

PROBATION AND PAROLE OFFICE
1601 E. 30TH STREET
TRENTON, MO 64683

PROBATION AND PAROLE OFFICE
27 WEST LOCUST
AURORA, MO 65605

PROBATION AND PAROLE OFFICE
100 SOUTH FIRST
STEELEVILLE, MO 65565

PROBATION AND PAROLE OFFICE
350-C U.S. HIGHWAY 61
NEW MADRID, MO 63869

PROBATION AND PAROLE OFFICE
516 SOUTH MAIN
KIRKSVILLE, MO 63501

PROBATION AND PAROLE OFFICE
12 EAST WICHERN
PERRYVILLE, MO 63775

PROBATION AND PAROLE OFFICE
301 BURNHAM
BROOKFIELD, MO 64628

PROBATION AND PAROLE OFFICE
1397 STATE ROAD O
FULTON, MO 65251

PROBATION AND PAROLE OFFICE
836 N. SCOTT
BELTON, MO 64012
PROBATION AND PAROLE OFFICE
330 SOUTH PREWITT
NEVADA, MO 64772

PROBATION AND PAROLE
1102 MAIN STREET
LEXINGTON, MO 64067

PROBATION AND PAROLE OFFICE
101 CROSSINGS WEST, SUITW 103
LAKE OZARK, MO 65049

PROBATION AND PAROLE OFFICE
326 E. HIGH STREET, SUITE 1
POTOSI, MO 63664

PROBATION AND PAROLE OFFICE
311 TRAVIS BLVD
TROY, MO 63379

PROBATION AND PAROLE OFFICE
115 EAST 4TH STREET
MARYVILLE, MO 64468

PROBATION AND PAROLE OFFICE
1735 W. CATAPLA, SUITE A
SPRINGFIELD, MO 65807

PROBATION AND PAROLE OFFICE
305 SOUTH COOPER
CHARLESTON, MO 63834

PROBATION AND PAROLE OFFICE
1150 S. MORLEY
MOBERLY, MO 65270

PROBATION AND PAROLE OFFICE
301 E. CC HWY, SUITE 4
NIXA, MO 65714

PROBATION AND PAROLE OFFICE
505 INGRAM LANE
WARRENTON, MO 63383

PROBATION AND PAROLE OFFICE
3111 SWOPE PARKWAY
KANSAS CITY, MO 64130

PROBATION AND PAROLE OFFICE
1828 WALNUT – 9TH FLOOR
KANSAS CITY, MO 64108

PROBATION AND PAROLE OFFICE
1330 BRUSHCREEK
KANSAS CITY, MO 64110

PROBATION AND PAROLE OFFICE
111 NORTH 7TH, ROOM 150
ST. LOUIS, MO 63101

PROBATION AND PAROLE OFFICE
220 JEFFERSON STREET, 2ND FLOOR
ST. LOUIS, MO 63118

PROBATION AND PAROLE OFFICE
3101 CHOUTEAU AVE
ST. LOUIS, MO 63103

PROBATION AND PAROLE OFFICE
9441 DIELMAN ROCK ISLAND IND DR
ST. LOUIS, MO 63132

PROBATION AND PAROLE OFFICE
4040 SEVEN HILLS DR, SUITE 273
ST. LOUIS, MO 63033

PROBATION AND PAROLE OFFICE
8501 LUCAS & HUNT BLVD, SUITE 120
JENNINGS, MO 63136

PROBATION AND PAROLE OFFICE
7545 S. LINDBERGH, SUITE 120
ST. LOUIS, MO 63125

TOXICOLOGY LAB/CREMER THERAPEUTIC CC
689 HWY O
FULTON, MO 65251

5. BIDDERS' INSTRUCTIONS

5.1 Contact:

- 5.1.1 Any and all communication from bidders regarding specifications, requirements, competitive bid process, etc. related to the bid document must be referred to the buyer identified on the first page of this document. Such communication should be received at least ten (10) calendar days prior to the official bid opening date.

5.2 Business Compliance:

- 5.2.1 The bidder must be in compliance with the laws regarding conducting business in the State of Missouri. The bidder certifies by signing the signature page of this original document and any amendment signature page(s) or by submitting an on-line bid that the bidder and any proposed subcontractors either are presently in compliance with such laws or shall be in compliance with such laws prior to any resulting contract award. The bidder shall provide documentation of compliance upon request by the Division of Purchasing and Materials Management. The compliance to conduct business in the state shall include but may not be limited to:

- Registration of business name (if applicable)
- Certificate of authority to transact business/certificate of good standing (if applicable)
- Taxes (e.g., city/county/state/federal)
- State and local certifications (e.g., professions/occupations/activities)
- Licenses and permits (e.g., city/county license, sales permits)
- Insurance (e.g., worker's compensation/unemployment compensation)

5.3 On-Line Bids:

- 5.3.1 If a registered bidder is responding electronically through the On-Line Bidding/Vendor Registration System website, in addition to completing the on-line pricing, the registered bidder should submit completed exhibits, forms, and other information concerning the bid (including completed Pricing Pages, for renewal period pricing) as an attachment to the electronic bid. Instructions on how a registered vendor responds to a bid on-line are available on the On-Line Bidding/Vendor Registration System website at: <https://www.moolb.mo.gov>.

- 5.3.2 The exhibits, forms, and pricing pages provided herein can be saved into a word processing document, completed by the registered bidder, and then sent as an attachment to the electronic submission. Other requested, required, or additional information may also be sent as an attachment. Additional instructions for submitting electronic attachments are on the On-Line Bidding/Vendor Registration System website. Be sure to include the bid number, company name, and a contact name on any electronic attachments.
- 5.3.3 In addition, the registered bidder may submit the exhibits, forms, Pricing Pages, etc., through mail or courier service. However, any such submission must be received prior to the specified closing date and time.
- 5.3.4 Registered bidders submitting electronic and hard copy bid responses which are not identical should explain which response(s) is(are) valid for the state's consideration. In the absence of such explanation, the state reserves the right to evaluate the response which serves its best interest.
- 5.4 Open Competition:**
- 5.4.1 The bidder may offer any brand of product that meets or exceeds the specifications. The bidder should however disclose all manufacturers of all on-site drug test kits. This disclosure should include the manufacturer's name and product number.
- 5.4.2 In addition to disclosing the manufacturer name and product information, the bidder should complete Exhibit A indicating the ability of the test devices to meet the specifications and requirements of the IFB. The bidder is strongly encouraged to explain in detail how the products bid meets or exceed the specifications. Bids which do not comply with the requirements and the specifications are subject to rejection without clarification.
- 5.5 Preprinted Marketing Materials:**
- 5.5.1 The bidder may submit preprinted marketing materials with the bid. However, the bidder is advised that such brochures normally do not address the needs of the evaluators with respect to the technical evaluation process and the specific responses which have been requested of the bidder. The bidder is strongly discouraged from relying on such materials in presenting products and services for consideration by the state.
- 5.5.2 It is the bidder's responsibility to provide detailed information about how the item bid meets the specifications presented herein. If preprinted marketing materials do not specifically address each specification, the bidder should provide detailed information to assure that the product meets the state's mandatory requirements. In the event this information is not submitted with the bid, the buyer may, but is not required to, seek written clarification from the bidder to provide assurance that the product bid meets specifications.
- 5.6 Bid Detail Requirements and Deviations:**
- 5.6.1 It is the bidder's responsibility to submit a bid that meets all mandatory specifications stated herein. The bidder should clearly identify any and all deviations from both the mandatory and desirable specifications stated in the IFB. Any deviation from a mandatory requirement may render the bid non-responsive. Any deviation from a desirable specification may be reviewed by the state as to its acceptability and impact on competition.
- 5.6.2 A descriptive brochure of the product bid may not be acceptable as clear identification of deviations from the written specification.
- 5.7 Unit of Measure:**
- 5.7.1 If the unit of measure specified on the attached pricing pages is different than the manner in which the bidder offers that item, then the unit of measure being proposed by the bidder must be clearly identified on the pricing page. All mathematical conversions should be shown by the bidder, and must be provided upon specific request from the buyer.

5.7.2 In the cost evaluation, a unit price conversion will be done to fairly evaluate bid prices. However, for any resulting contract, the unit of measure bid will be the unit of measure awarded. Bidders are encouraged to contact the buyer prior to submission of their bid to discuss anticipated unit modifications. The bidder is cautioned that the State of Missouri reserves the right to clarify the unit of measure modification or to disqualify the bid for that line item if the unit of measure modification is not deemed appropriate or in the best interests of the State of Missouri.

5.8 Samples:

5.8.1 The bidder must provide ten (10) samples for evaluation testing of each of the single drug and multi-drug combination tests being offered (i.e. ten (10) THC tests, ten (10) Cocaine tests, ten (10) two drug panel combination tests, etc.).

5.8.2 The samples submitted for evaluation must be the exact product offered, and it must conform to the mandatory IFB specifications for the specific line item.

5.8.3 The bidder should identify each sample with the company name, brand, type of drug testing instrument, and stock number.

5.8.4 Samples should be received by the bid opening date as indicated on Page 1 of this document. If samples are not submitted by the bid opening date, bidders must submit samples within five (5) working days of notification by the buyer. A bidder failing to submit samples within five (5) working days after notification from the Division of Purchasing and Materials Management may result in disqualification of the bid and not considered for award.

5.8.5 Samples shall be submitted at the bidder's expense, including all delivery charges at no additional cost to the State of Missouri and shall not be returned.

5.8.6 Samples shall be submitted to the State of Missouri at the following address:

Missouri Department of Corrections
Cremer Therapeutic Correctional Center
Attn: Robin Williams, Business Manager
689 Highway O, P.O. Box 70
Fulton, Missouri 65251

5.8.7 Samples will be tested for accuracy, reliability, ease and clarity of the testing devices. The following features to be tested will include, but not be limited to the following:

- a. Testing devices which exceed the minimum detection levels identified herein and have proven liability of product;
- b. Testing devices which require the least steps in handling and administering;
- c. The clarity of the testing devices instruction (i.e., simple, clear and easy to interpret)

5.8.8 If sample testing indicates that the product does not meet mandatory specifications or is otherwise found unacceptable, the award shall not be made to that bidder.

5.9 Compliance with Terms and Conditions:

5.9.1 The bidder's response shall not take exception to or conflict with the mandatory requirements of the IFB (denoted by the words "must" and "shall") including the IFB terms and conditions.

5.9.2 The bidder is cautioned that when submitting pre-printed terms and conditions or documentation regarding proprietary information, copyright, usage restrictions, license agreements, etc., to make sure such documents

do not contain other terms and conditions which conflict with those of the IFB and its contractual requirements.

- 5.9.3 The bidder's terms and conditions, including any pre-printed documents which must be executed in order to provide the goods/services required in the IFB, must be submitted herein. The bidder shall be required to do one of the following if terms and conditions are submitted: (1) The bidder must clearly state on the first page of each of their terms and conditions documents the following, "In the event of conflict between any of the ("name of company") terms and conditions and those contained in the IFB BIE14013, the IFB shall govern" or (2) Sign the signature block in the portion of the Pricing Page entitled "Addendum to the Contractor's Terms and Conditions". Failure to place this statement with the contractor's terms and conditions or not signing the signature block and/or taking exception to the State's terms and conditions may prohibit the State of Missouri from doing business with the contractor.

5.10 Prices:

- 5.10.1 The bidder shall submit firm fixed prices for all items (line items 001 through 015) listed on the Pricing Page of the IFB. In addition, the bidder should state a firm, fixed percentage discount off their price list/catalog (line item 016) for all other drug testing instruments available which fall within the intent of this IFB. All prices shall be quoted FOB Destination, Freight Prepaid and Allowed. The prices stated shall be considered firm for the duration of the contract period.

5.11 Cost Evaluation:

- 5.11.1 The cost evaluation shall cover the original contract period plus the renewal periods. The cost evaluation shall include the prices stated for items 001 through 015 only. Cost shall be based on the stated firm, fixed prices multiplied by the estimated quantities indicated for the original contract period and each succeeding renewal period. The State of Missouri reserves the right to evaluate optional items, if deemed necessary.

5.12 Determination for Award:

- 5.12.1 The award shall be made to the lowest priced responsive bidder. Other factors that affect the determination of the lowest price responsive bidder include consideration of the Domestic Product Procurement Act, the Blind/Sheltered Workshop Preference, and the Missouri Service Disabled Veterans Preference explained in the paragraphs that follow.
- 5.12.2 The State of Missouri reserves the right to reject any bid which is determined unacceptable for reasons which may include but are not necessarily limited to: 1) failure of the bidder to meet mandatory general performance specifications; and/or 2) failure of the bidder to meet mandatory technical specifications; and/or 3) failure of the bidder to meet the sample requirements; and/or, 4) receipt of any information, from any source, regarding delivery of unsatisfactory product or service by the bidder within the past three years. As deemed in its best interests, the State of Missouri reserves the right to clarify any and all portions of any bidder's offer.

5.13 Domestic Product Procurement Act:

- 5.13.1 In accordance with the Domestic Product Procurement Act (hereinafter referred to as the Buy American Act) sections 34.350 to 34.359, RSMo, the bidder is advised that any goods purchased or leased by any public agency shall be manufactured or produced in the United States.
- 5.13.2 Bidders who can certify that goods or commodities to be provided in accordance with the contract are manufactured or produced in the United States or imported in accordance with a qualifying treaty, law, agreement, or regulation shall be entitled to a ten percent (10%) preference over bidders whose products do not qualify.
- 5.13.3 The requirements of the Buy American Act shall not apply if other exceptions to the Buy American mandate in section 34.353, RSMo, are met.

- 5.13.4 If the bidder claims there is only one line of the good manufactured or produced in the United States, subsection 2 of section 34.353, RSMo, or that one of the exceptions of subsection 3 of 34.353, RSMo, applies, the Executive Head of the Agency bears the burden of certification as required prior to the award of a contract.
- 5.13.5 In accordance with the Buy American Act, the bidder must provide proof of compliance with section 34.353, RSMo. Therefore the bidder should complete and return Exhibit B, certification regarding proof of compliance, with the bid. This document must be satisfactorily completed prior to an award of a contract.
- 5.13.6 If the lowest priced bidder qualifies as American-made or in the event all of the bidders or none of the bidders qualify for the Buy American preference, no further calculation is necessary. In the event the lowest priced bidder does not qualify for the Buy American Preference but other bidders do qualify, then the low bidder's price(s) is increased by 10% for those items not eligible for the Buy American Preference.
- 5.13.7 If any products and/or services offered under this IFB are being manufactured or performed at sites outside the United States, the bidder MUST disclose such fact and provide details with the bid.
- 5.14 Preference for Organizations for the Blind and Sheltered Workshops:**
- 5.14.1 Pursuant to section 34.165, RSMo, and 1 CSR 40-1.050, a ten (10) bonus point preference shall be granted to bidders including products and/or services manufactured, produced or assembled by a qualified nonprofit organization for the blind established pursuant to 41 U.S.C. sections 46 to 48c or a sheltered workshop holding a certificate of approval from the Department of Elementary and Secondary Education pursuant to section 178.920, RSMo.
- a. In order to qualify for the ten bonus points, the following conditions must be met and the following evidence must be provided:
- 1) The bidder must either be an organization for the blind or sheltered workshop or must be proposing to utilize an organization for the blind/sheltered workshop as a subcontractor and/or supplier in an amount that must equal the greater of \$5,000 or 2% of the total dollar value of the contract for purchases not exceeding \$10 million.
 - 2) The services performed or the products provided by the organization for the blind or sheltered workshop must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract. Therefore, if the services performed or the products provided by the organization for the blind or sheltered workshop is utilized, to any extent, in the bidder's obligations outside of the contract, it shall not be considered a valid added value to the contract and shall not qualify as participation in accordance with this clause.
 - 3) If the bidder is proposing participation by an organization for the blind or sheltered workshop, in order to receive evaluation consideration for participation by the organization for the blind or sheltered workshop, the bidder must provide the following information with the bid:
 - Participation Commitment - The bidder must complete Exhibit C, Participation Commitment, by identifying the organization for the blind or sheltered workshop and the commercially useful products/services to be provided by the listed organization for the blind or sheltered workshop. If the bidder submitting the bid is an organization for the blind or sheltered workshop, the bidder must be listed in the appropriate table on the Participation Commitment Form.
 - Documentation of Intent to Participate - The bidder must either provide a properly completed Exhibit D, Documentation of Intent to Participate Form, signed and dated no earlier than the IFB issuance date by the organization for the blind or sheltered workshop proposed or must provide a recently dated letter of intent signed and dated no earlier than the IFB issuance date by the organization for the blind or sheltered workshop which: (1) must describe the

products/services the organization for the blind/sheltered workshop will provide and (2) should include evidence of the organization for the blind/sheltered workshop qualifications (e.g. copy of certificate or Certificate Number for Missouri Sheltered Workshop).

NOTE: If the bidder submitting the bid is an organization for the blind or sheltered workshop, the bidder is not required to complete Exhibit D, Documentation of Intent to Participate Form or provide a recently dated letter of intent.

- b. A list of Missouri sheltered workshops can be found at the following internet address:
<http://www.dese.mo.gov/divspeced/shelteredworkshops/index.html>.
- c. The websites for the Missouri Lighthouse for the Blind and the Alhpointe Association for the Blind can be found at the following Internet addresses:
<http://www.lhbindustries.com>
<http://www.alhpointe.org>
- d. Commitment – If the bidder’s bid is awarded, the organization for the blind or sheltered workshop participation committed to by the bidder on Exhibit C, Participation Commitment, shall be interpreted as a contractual requirement.

5.14.2 The Blind/Sheltered Workshop Preference required under section 34.165, RSMo, allows for ten (10) bonus points to a qualifying vendor. If the lowest priced bidder qualifies for the preference, or in the event none of the bidders qualify for the preference, no further calculation is necessary.

5.14.3 In the event the lowest priced bidder does not qualify for the preference but other bidders do, then the following evaluation point formula shall apply to determine cost evaluation points:

<u>Lowest Responsive Bidder’s Price</u> Compared Bidder’s Price	x	200 Maximum Cost Evaluation Points	=	Awarded Cost Evaluation Points
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5.15 Missouri Service-Disabled Veteran Business Preference:

5.15.1 Pursuant to section 34.074, RSMo, and 1 CSR 40-1.050, a three (3) bonus point preference shall be granted to bidders who qualify as Missouri service-disabled veteran business enterprises and who complete and submit Exhibit E, Missouri Service-Disabled Veteran Business Enterprise Preference with the bid. If the bid does not include the completed Exhibit E and the documentation specified on Exhibit E in accordance with the instructions provided therein, no preference points will be applied.

5.15.2 If the lowest priced bidder qualifies for the preference, or in the event none of the bidders qualify for the preference, no further calculation is necessary.

5.15.3 In the event the lowest priced bidder does not qualify for the preference but other bidders do, then the following evaluation point formula shall apply to determine cost evaluation points:

<u>Lowest Responsive Bidder’s Price</u> Compared Bidder’s Price	x	200 Maximum Cost Evaluation Points	=	Awarded Cost Evaluation Points
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5.16 Debarment Certification:

5.16.1 The bidder certifies by signing the signature page of this original document and any amendment signature page(s) that the bidder is not presently debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded from participation, or otherwise excluded from or ineligible for participation under federal assistance programs. The bidder should complete and return the attached certification regarding debarment, etc., Exhibit F with their bid. This document must be satisfactorily completed prior to award of the contract.

004	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Methaphetamines Approx. 25 tests per box Brand: <u>Reditest</u> Manufacturer: <u>ABON, Inc.</u> Product No.: <u>011020002</u> Tests per Box: <u>25/box</u>	100	BOX	\$ <u>7.75/box</u> \$ 0.31/each
005	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Opiates Approx. 25 tests per box Brand: <u>Reditest</u> Manufacturer: <u>ABON, Inc.</u> Product No.: <u>011020003</u> Tests per Box: <u>25/box</u>	95	BOX	\$ <u>7.75/box</u> \$ 0.31/each
006	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Benzodiazepines Approx. 25 tests per box Brand: <u>Reditest</u> Manufacturer: <u>ABON, Inc.</u> Product No.: <u>011020022</u> Tests per Box: <u>25/box</u>	95	BOX	\$ <u>7.75/box</u> \$ 0.31/each
007	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Barbiturates Approx. 25 tests per box	75	BOX	\$ <u>7.75/box</u> \$ 0.31/each

Brand: Reditest
 Manufacturer: ABON, Inc.
 Product No.: 011020019
 Tests per Box: 25/box

008 C/S Code: 19348 50 BOX \$ 7.75/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
PCP
 Approx. 25 tests per box
\$ 0.31/each

Brand: Reditest
 Manufacturer: ABON, Inc.
 Product No.: 011020021
 Tests per Box: 25/box

009 C/S Code: 19348 5 BOX \$ 7.75/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
MDMA (Ecstasy)
 Approx. 25 tests per box
\$ 0.31/each

Brand: Reditest
 Manufacturer: ABON, Inc.
 Product No.: 011020036
 Tests per Box: 25/box

010 C/S Code: 19348 310 BOX \$ 72.50/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
K-2/Spice
 Approx. 25 tests per box
\$ 2.90/each

Brand: 011916335
 Manufacturer: Ameditech, Inc.
 Product No.: 011916335
 Tests per Box: 25/box

011	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Two drug panel combination THC/COC Approx. 25 tests per box Brand: <u>Reditest</u> Manufacturer: <u>ABON, Inc.</u> Product No.: <u>011020006</u> Drug Combinations: <u>Multiple; Please see Additional/Optional Pricing Schedule for device configurations</u> Tests per Box: <u>25/box</u>	77	BOX	\$ <u>16.75/box</u> \$ 0.67/each
012	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Three drug panel combination THC/COC/METH Approx. 25 tests per box Brand: <u>Reditest</u> Manufacturer: <u>ABON, Inc.</u> Product No.: <u>011020009</u> Drug Combinations: <u>Multiple; Please see Additional/Optional Pricing Schedule for device configurations</u> Tests per Box: <u>25/box</u>	335	BOX	\$ <u>27.50/box</u> \$ 0.86/each
013	C/S Code: 19348 <i>Drug Assay and Screening Test Kits</i> Immunoassay colloidal gold non-instrument based on-site drug tests Four drug panel combination THC/COC/METH/OPI Approx. 25 tests per box Brand: <u>Reditest</u> Manufacturer: <u>ABON, Inc.</u> Product No.: <u>011020012</u> Drug Combinations: <u>Multiple; Please see Additional/Optional Pricing Schedule for device configurations</u> Tests per Box: <u>25/box</u>	55	BOX	\$ <u>27.50/box</u> \$ 1.10/each

014 C/S Code: 19348 500 BOX \$ 33.50/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
 Five drug panel combination
THC/COC/METH/OPI/BENZ
 Approx. 25 tests per box

\$ 1.34/each

Brand: Reditest

Manufacturer: ABON, Inc.

Product No.: 011020015

Drug Combinations: Multiple; Please see Additional/Optional Pricing Schedule for device configurations

Tests per Box: 25/box

015 C/S Code: 19348 500 BOX \$ 50.00/box
Drug Assay and Screening Test Kits
 Immunoassay colloidal gold non-instrument
 based on-site drug tests
 Seven drug panel combination
THC/COC/METH/OPI/BARB/BENZ/MDMA
 Approx. 25 tests per box

\$ 2.00/each

**To meet the specifications of this line item, RTL would like to offer a 10-drug panel dip that includes the additional tests for methadone, oxycodone, and phencyclidine (PCP) at no additional charge to the State.

Brand: Reditest

Manufacturer: ABON, Inc.

Product No.: 011020138

Drug Combinations: Multiple; Please see Additional/Optional Pricing Schedule for device configurations

Tests per Box: 25/box

016 C/S Code: 19348 1 PCNT Varies %
Drug Assay and Screening Test Kits
 Other available immunoassay colloidal gold
 non-instrument based on-site drug tests
 Firm, fixed percentage discount from price list/
 catalog for all other available tests which fall
 within the intent of this IFB.

**Please see attached Additional/Optional Pricing Schedule for RTL's full suite of on-site devices and laboratory services.

RENEWAL OPTIONS:

The Division of Purchasing and Materials Management shall have the sole option to renew the contract in one (1) year increments or a portion thereof, for a maximum total of four (4) additional years. The bidder must respond to the following line items regarding renewal pricing. The bidder may indicate either a renewal price increase stated as a maximum percentage of increase, applicable to all line items, or a price decrease, stated as a guaranteed minimum percentage of decrease applicable to all line items. The bidder should not bid BOTH a price percentage increase and decrease for the same renewal period but must clearly indicate if the percentage is an INCREASE or a DECREASE.

Name and title of elected or appointed official or employee of the State of Missouri or any political subdivision thereof:

Not Applicable

If employee of the State of Missouri or political subdivision thereof, provide name of state agency or political subdivision where employed:

Not Applicable

Percentage of ownership interest in bidder's organization held by elected or appointed official or employee of the State of Missouri or political subdivision thereof:

0 %

LOCAL GOVERNMENT USE (COOPERATIVE PROCUREMENT):

The bidder should indicate agreement/disagreement to participate in the State of Missouri's Cooperative Procurement Program as described herein.

Yes No

ADDENDUM TO THE BIDDER'S TERMS AND CONDITIONS:

By signing the signature block below, the bidder hereby declares understanding and agreement with the following: (1) that the language of this IFB shall govern in the event of a conflict with his/her response, including any pre-printed terms and conditions documents that are submitted as part of his/her response, and (2) that any of the bidder's terms and conditions contained in the submitted response or pre-printed terms and conditions documents that conflict with the IFB's terms and conditions, shall have no force or effect and are hereby considered invalid. All other terms and provisions of the bidder's response or pre-printed terms and conditions documents that are not in conflict with the IFB shall apply hereto.

(SIGNATURE REQUIRED)

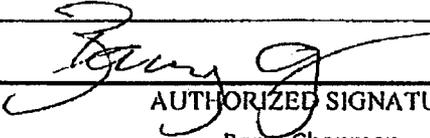
	August 20, 2013
AUTHORIZED SIGNATURE Barry Chapman	DATE Chief Financial Officer.,
PRINTED NAME	TITLE
Redwood Toxicology Laboratory, Inc.	
BIDDER'S COMPANY NAME	

EXHIBIT A**TESTING DEVICE SPECIFICATION VERIFICATION**

The bidder should complete the following regarding the test devices proposed by checking "Yes" or "No" in response to the questions:

IFB PARAGRAPH	REQUIREMENT	YES	NO
3.1.1	Have test devices been previously approved by the U.S. Food and Drug Administration (FDA) for commercial distribution as a medical device?	<input checked="" type="checkbox"/>	
3.1.2	Are testing devices able to be provided in both single and multi-drug combinations? At a minimum, these drug tests must be available for the following drugs: Amphetamines, Methamphetamines, Cocaine, Opiates, PCP, THC (marijuana), Barbiturates, Benzodiazepines, and MDMA (Ecstasy) and K-2/Spice.	<input checked="" type="checkbox"/>	
3.1.3	Do test kits contain all elements necessary to complete the test? Note: Test kits which require other supplies or chemicals integral to accurate testing, which are not included within each kit, shall be unacceptable.	<input checked="" type="checkbox"/>	
3.1.4	Do test kits require electricity, special plumbing, instrumentation, calibration, a laboratory environment or refrigeration of reagents?		<input checked="" type="checkbox"/>
3.1.5	Do all test kits have an expiration date clearly marked on each kit and have a minimum shelf life of eighteen (18) months from date of manufacture?	<input checked="" type="checkbox"/> Expiration date is marked.	<input checked="" type="checkbox"/> Cannot guarantee 18 months, only 12 months.
3.1.6	Do the testing devices follow the current Substance Abuse and Mental Health Services Administration's (SAMHSA) cut-off levels for detection of positive drug screens, except for Opiates which must have a 300 ng/ml cut-off level and Benzodiazepines and Barbiturates which must have a 300 ng/ml cut-off level available and thus defensible by gas chromatograph/mass spectrometer (GC/MS) confirmatory cut-off levels?	<input checked="" type="checkbox"/>	
3.1.6 a.	Is the Opiate test kit able to detect morphine, codeine, hydrocodone, hydromorphone, oxycodone, and 6-acetylmorphine?	<input checked="" type="checkbox"/>	
3.1.6 b.	Does the THC (marijuana) test kit detect Motrin (Ibuprofen) or Aleve (naproxen) and/or their metabolites?		<input checked="" type="checkbox"/>
3.1.6 c.	Does the Amphetamine or Methamphetamine test kit detect Zantac (Ranitidine) and/or its metabolized products?		<input checked="" type="checkbox"/>

3.1.7	Are test kits able to be stored at room temperature?	<input checked="" type="checkbox"/>	
3.1.8	Are test kits completely portable and conveniently packaged for field use?	<input checked="" type="checkbox"/>	
3.1.9	Do the testing devices require any pretreatment of the urine sample prior to testing? Are the testing devices able to be run on a sample immediately after collection? Unless the samples have been refrigerated, do the tests require that samples reach room temperature? Are tests affected by abnormal pH levels or by dilute samples such as samples with creatinine levels lower than 40mg/dL?	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
3.1.10	Does the donor of a urine sample have access to the testing device portion of a test kit during the sample collection process?		<input checked="" type="checkbox"/>
3.1.11	Do the testing devices have an indicator/control line prompting the user when to interpret results and not require the use of a stopwatch or timing device? Is there a schematic or illustration showing positive and negative result interpretation on the onsite device itself?	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
3.1.12	Are the testing devices available for reading results in seven (7) minutes or less?	<input checked="" type="checkbox"/>	
3.1.13	Are the test results stable for a minimum of thirty (30) minutes?	<input checked="" type="checkbox"/>	
3.1.14	Are the test results easy to read with test result interpretation of positive and negative clearly defined on the device? Note: Testing devices with test result interpretation defined on the outer packaging only shall not be acceptable.	<input checked="" type="checkbox"/>	
3.1.15	Are test results able to be photocopied or scanned creating either a paper or electronic permanent file copy for retention?	<input checked="" type="checkbox"/>	
3.1.16	Are the testing devices highly accurate and reliable with performance data comparable to gas chromatograph/mass spectrometer (GC/MS) testing?	<input checked="" type="checkbox"/>	
3.1.17	Do the testing devices minimize false positive results caused by over-the-counter medications and their metabolites? Are over-the-counter medications and metabolites that may cause a false positive able to be documented in a cross-reactivity list?	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	

Test can be affected by extreme cases of abnormal pH (<3 or >11), but not by dilution.

3.1.18	Are the devices (1) accurate (meeting or exceeding all SAMHSA cut-off levels identified herein), (2) easy to administer by any authorized and trained personnel, and (3) include instructions which are clear and easy to understand and provide clear and easy to interpret results?	<input checked="" type="checkbox"/>	
3.1.19	Are the test devices verifiable by published third party studies indicating accuracy, reliability, false positive and false negative data? Are all studies based on real urine samples and not on a set of standards?	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
3.1.20	Are test devices documented in criminal court case references regarding the device's reliability and accurateness?	<input checked="" type="checkbox"/>	

EXHIBIT B

DOMESTIC PRODUCTS PROCUREMENT ACT (BUY AMERICAN) PREFERENCE

In accordance with sections 34.350-34.359 RSMo, the bidder is instructed to provide information regarding the point of manufacture for each of the products being bid so that the product's eligibility for the Domestic Products Procurement Act (Buy American) Preference can be determined. This information is requested for the finished product only, not for components of the finished product. The bidder may be required to provide supporting documentation indicating proof of compliance.

Qualifying for the Domestic Products Preference:

A product qualifies for the preference if one of the following circumstances exist:

- if manufactured or produced in the U.S.; or
- if the product is imported into the U.S. but is covered by an existing international trade treaty that affords the specific product the same status as a product manufactured or produced in the U.S.; or
- if only one line of products is manufactured or produced in the U.S.

Non-Domestic Product:

If the product is not manufactured or produced in the U.S. and does not otherwise qualify as domestic, then it will be considered non-domestic and not eligible for the preference.

THE BIDDER MUST COMPLETE THE FOLLOWING APPLICABLE TABLES TO CERTIFY WHETHER:

(Table 1) **ALL** products bid are manufactured or produced in the U.S. and qualify for the Domestic Products Procurement Act Preference; OR

(Table 2) **ALL** products bid are manufactured or produced outside the U.S. and do not otherwise qualify for the Domestic Products Procurement Act Preference; OR

(Tables 3-6) Not all products bid fall into the prior two categories so an item-by-item certification is necessary.

The bidder is responsible for certifying the information provided on the exhibit is accurate by signing where indicated at the end of the exhibit.

TABLE 1 – ALL PRODUCTS MANUFACTURED OR PRODUCED IN U.S. (eligible for preference)

Check the box to the right if ALL products bid are MANUFACTURED OR PRODUCED IN THE U.S.:

TABLE 2 – ALL PRODUCTS MANUFACTURED OR PRODUCED OUTSIDE U.S. AND DON'T QUALIFY FOR PREFERENCE (ineligible for preference)

Check the box to the right if ALL products bid are MANUFACTURED OR PRODUCED OUTSIDE THE U.S. and DO NOT OTHERWISE QUALIFY for the Domestic Products Procurement Act Preference:

TABLES 3 THROUGH 6 – ITEM BY ITEM CERTIFICATION (NOT ALL PRODUCTS BID FALL INTO PRIOR TWO TABLES)

- For those line items for which a U.S.-manufactured or produced product is bid, complete Table 3.
- For those line items which are manufactured or produced outside the U.S. that do not qualify for the Domestic Products Procurement Act Preference, complete Table 4.
- For those line items which are not manufactured or produced in the U.S., but for which there is a U.S. trade treaty, law, agreement, or regulation in compliance with section 34.359 RSMo, complete Table 5.
- For those line items which are not manufactured or produced in the U.S., but for which there is only one U.S. Manufacturer of that product or line of products, complete Table 6.

TABLE 3 – U.S.-MANUFACTURED OR PRODUCED PRODUCTS (Eligible for Preference)

- List item numbers of products bid that are U.S.-manufactured or produced and therefore qualify for the Domestic Products Procurement Act Preference.
- List U.S. city and state where products bid are manufactured or produced.

Item #	U.S. City/State Where Manufactured/Produced	Item #	U.S. City/State Where Manufactured/Produced
010	Irvine, California		

TABLE 4 – FOREIGN-MANUFACTURED OR PRODUCED PRODUCTS (Not Eligible for Preference)

- List item numbers of products bid that are foreign manufactured or produced and do not otherwise qualify for the Domestic Products Procurement Act Preference.
- List country where product bid is manufactured or produced.

Item #	Country Where Manufactured/Produced	Item #	Country Where Manufactured/Produced
001, 002	China	007, 008, 009	China
003, 004	China	011, 012, 013	China
005, 006	China	014, 015	China

EXHIBIT B, continued: DOMESTIC PRODUCTS PROCUREMENT ACT (BUY AMERICAN) PREFERENCE

TABLE 5 -- FOREIGN-MANUFACTURED OR PRODUCED PRODUCTS BUT U.S. TRADE TREATY, LAW, AGREEMENT, OR REGULATION APPLIES (Eligible for Preference)

- List item numbers of products bid that are foreign manufactured or produced but qualify for the Domestic Products Procurement Act Preference because a U.S. Trade Treaty, Law, Agreement, or Regulation applies.
- Identify country where proposed foreign-made product is manufactured or produced.
- Identify name of applicable U.S. Trade Treaty, Law, Agreement, or Regulation that allows product to be brought into the U.S. duty/tariff-free.
- Identify website URL for the U.S. Trade Treaty, Law, Agreement, or Regulation.
- NOTE: As an imported product, if an import tariff is applied to the item, it does not qualify for the preference. In addition, "Most Favored Nation" status does not allow application of the preference unless the product enters the U.S. duty/tariff-free.

Item #	Country Where Proposed Foreign-Made Product is Manufactured/Produced	Name of Applicable U.S. Trade Treaty, Law, Agreement, or Regulation	Official Website URL for the U.S. Treaty, Law, Agreement, or Regulation

TABLE 6 -- FOREIGN-MANUFACTURED OR PRODUCED PRODUCTS BUT ONLY ONE US MANUFACTURER PRODUCES PRODUCT OR LINE OF PARTICULAR GOOD (Eligible for Preference)

- List item numbers of products bid that are foreign manufactured or produced but qualify for the Domestic Products Procurement Act Preference because only one US Manufacturer produces the product or line of a particular good.
- Identify country where proposed foreign-made product is manufactured or produced.
- Identify sole US manufacturer name.
- Identify name of sole US manufactured product/line of particular good.

Item #	Country Where Proposed Foreign-Made Product is Manufactured/Produced	Sole US Manufacturer Name	Name of Sole US Manufactured Product or Line of Particular Good

The bidder is responsible for certifying the information provided on this exhibit is accurate by signing below:

I hereby certify that the information provided herein is true and correct, and complies with all provisions of sections 34.350 to 34.359, RSMo. I understand that any misrepresentation herein constitutes the commission of a class A misdemeanor.

SIGNATURE (If submitting bid electronically, scanned or typed signature is acceptable)

COMPANY NAME

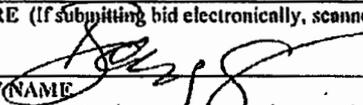

Redwood Toxicology Laboratory, Inc.

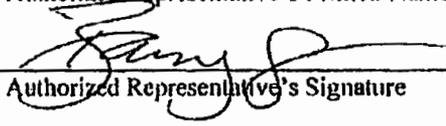
EXHIBIT F

**Certification Regarding
Debarment, Suspension, Ineligibility and Voluntary Exclusion
Lower Tier Covered Transactions**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98 Section 98.510, Participants' responsibilities. The regulations were published as Part VII of the May 26, 1988, Federal Register (pages 19160-19211).

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS FOR CERTIFICATION)

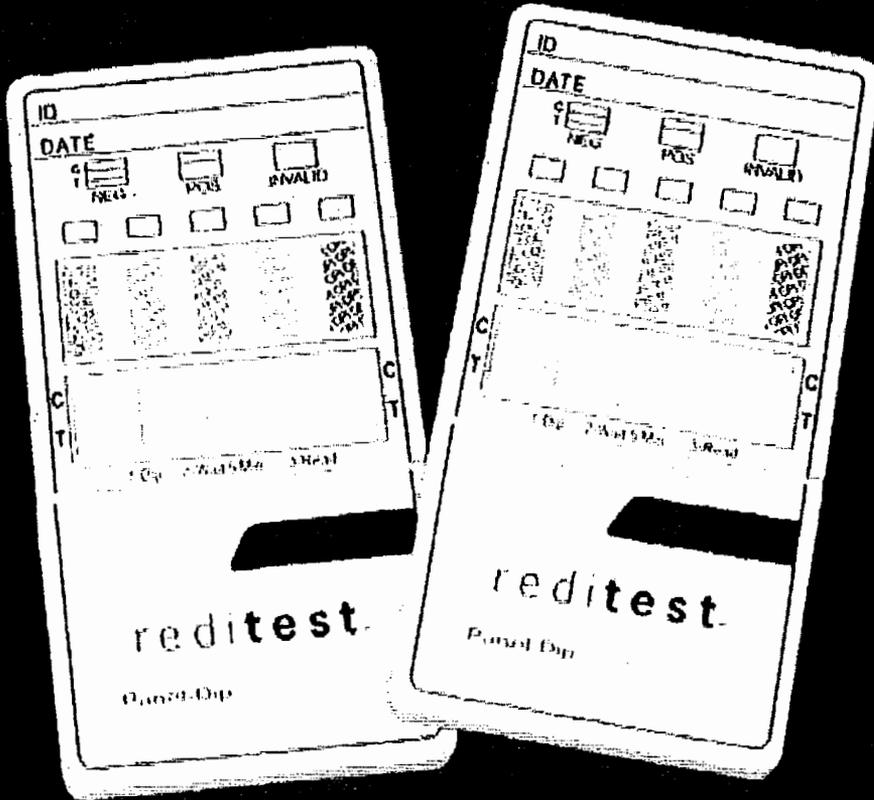
- (1) The prospective recipient of Federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective recipient of Federal assistance funds is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Redwood Toxicology Laboratory, Inc.	92-959-9280
_____ Company Name	_____ DUNS #
Barry Chapman	Chief Financial Officer
_____ Authorized Representative's Printed Name	_____ Authorized Representative's Title
	August 20, 2013
_____ Authorized Representative's Signature	_____ Date

Instructions for Certification

1. By signing and submitting this proposal, the prospective recipient of Federal assistance funds is providing the certification as set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective recipient of Federal assistance funds knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the Department of Labor (DOL) may pursue available remedies, including suspension and/or debarment.
3. The prospective recipient of Federal assistance funds shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective recipient of Federal assistance funds learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective recipient of Federal assistance funds agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the DOL.
6. The prospective recipient of Federal assistance funds further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may but is not required to check the List of Parties Excluded from Procurement or Nonprocurement Programs.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the DOL may pursue available remedies, including suspension and/or debarment.

Panel-Dip / substance abuse screening device



Available tests include:

- Amphetamine
- Methamphetamine
- Barbiturates
- Benzodiazepines
- Buprenorphine
- Cocaine
- Marijuana (THC)
- MDMA (Ecstasy)
- Methadone
- Opiates
- Oxycodone
- Phencyclidine (PCP)
- Propoxyphene
- Tricyclic Anti-depressants

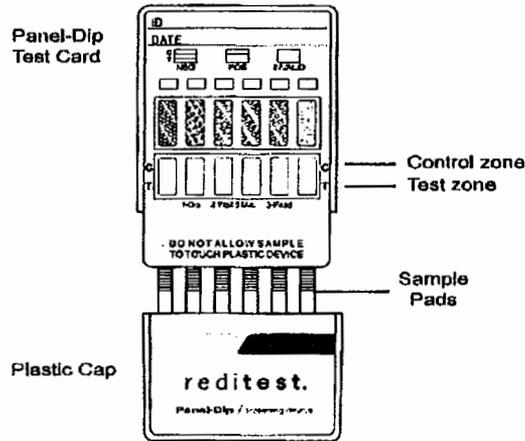
A **reliable** and **cost effective**
on-site **drug screening** solution.

State of Missouri ITB No. B1E14013
Redwood Toxicology Laboratory, Inc.
Contact: Alene Seward, bids@redwoodtoxicology.com

reditest.®

PRODUCT OVERVIEW

PANEL-DIP COMPONENTS



TESTING PROCEDURE

- 1 Remove device from foil pouch.
- 2 Pull plastic cap from test device.
- 3 Dip revealed sample pads into urine sample for a minimum of 15-30 seconds until urine is seen wicking into the reading zone.
- 4 Remove the device from the urine and replace the plastic cap. Place on a flat surface.
- 5 Read test results at 5 minutes. (Do not interpret results after 4 hours as false results may occur. Note: Any line at all in the test zone is to be interpreted as negative.)



RESULT KEY



NEGATIVE
Colored line appears in Test (T) Zone.



POSITIVE
NO Colored line in Test (T) Zone.



INVALID
Colored line must appear in Control (C) Zone for test to be valid

*NOTE: ANY POSITIVE RESULT OBTAINED WITH THIS URINE SCREENING TEST IS PRESUMPTIVE AND SHOULD BE CONFIRMED BY AN ALTERNATE METHOD SUCH AS GC/MS. CONTACT OUR LAB FOR ADDITIONAL GC/MS CONFIRMATION SERVICES.

For professional in vitro diagnostic use only.

Call today: **877-444-0049**

One Step Drug Screen Test Card

Package Insert for Single and Multi Drug Screen Test Cards

Instruction Sheet for testing of any combination of the following drugs:
AMP/BAR/BZO/COC/THC/MTD/mAMP/MDMA/MOP/OPX/OXY/PCP/PPX/TCA

A rapid, one step screening test for the simultaneous, qualitative detection of multiple drugs and drug metabolites in human urine.

For healthcare professionals including professionals at point of care sites.

For in vitro diagnostic use only.

INTENDED USE

The One Step Drug Screen Test Card is a lateral flow chromatographic immunoassay for the qualitative detection of multiple drugs and drug metabolites in urine at the following cut-off concentrations:

Test	Calibrator	Cut-off
Amphetamine (AMP 1,000)	d-Amphetamine	1,000 ng/mL
Amphetamine (AMP 300)	d-Amphetamine	300 ng/mL
Barbiturates (BAR)	Secobarbital	300 ng/mL
Benzodiazepines (BZO)	Oxazepam	300 ng/mL
Cocaine (COC 300)	Benzoylgonine	300 ng/mL
Cocaine (COC 150)	Benzoylgonine	150 ng/mL
Marijuana (THC)	11-nor- Δ^9 -THC- θ -COOH	50 ng/mL
Methadone (MTD)	Methadone	300 ng/mL
Methamphetamine (mAMP 1,000)	d-Methamphetamine	1,000 ng/mL
Methamphetamine (mAMP 300)	d-Methamphetamine	300 ng/mL
Methylenedioxymethamphetamine (MDMA) Ecstasy	d,l-Methylenedioxymethamphetamine	500 ng/mL
Opiate (OPI 300)	Morphine	300 ng/mL
Opiate (OPI 2,000)	Morphine	2,000 ng/mL
Oxycodone (OXY)	Oxycodone	100 ng/mL
Phencyclidine (PCP)	Phencyclidine	25 ng/mL
Propoxyphene (PPX)	Propoxyphene	300 ng/mL
Tricyclic Antidepressants (TCA)	Nortriptyline	1,000 ng/mL

Configurations of the One Step Drug Screen Test Card can consist of any combination of the above listed drug analyses. This assay provides only a preliminary analytical test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Clinical consideration and professional judgment should be applied to any drug of abuse test result, particularly when preliminary positive results are indicated.

SUMMARY

The One Step Drug Screen Test Card is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes monoclonal antibodies to selectively detect elevated levels of specific drugs in urine.

AMPHETAMINE (AMP 1,000)

Amphetamine is a Schedule II controlled substance available by prescription (Dexedrine®) and is also available on the illicit market. Amphetamines are a class of potent sympathomimetic agents with therapeutic applications. They are chemically related to the human body's natural catecholamines: epinephrine and norepinephrine. Acute higher doses lead to enhanced stimulation of the central nervous system and induce euphoria, alertness, reduced appetite, and a sense of increased energy and power. Cardiovascular responses to amphetamines include increased blood pressure and cardiac arrhythmias. More acute responses produce anxiety, paranoia, hallucinations, and psychotic behavior. The effects of amphetamines generally last 2-4 hours following use and the drug has a half-life of 4-24 hours in the body. About 30% of amphetamines are excreted in the urine in unchanged form, with the remainder as hydroxylated and deaminated derivatives.

The One Step Drug Screen Test Card yields a positive result when Amphetamine in urine exceed 1,000 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).¹

AMPHETAMINE (AMP 300)

The AMP 300 One Step Amphetamine Test Strip yields a positive result when Amphetamine in urine exceed 300 ng/mL.

BARBITURATES (BAR)

Barbiturates are central nervous system depressants. They are used therapeutically as sedatives, hypnotics, and anticonvulsants. Barbiturates are almost always taken orally as capsules or tablets. The effects resemble those of intoxication with alcohol. Chronic use of barbiturates leads to tolerance and physical dependence.

Short acting Barbiturates taken at 400 mg/day for 2-3 months can produce a clinically significant degree of physical dependence. Withdrawal symptoms experienced during periods of drug abstinence can be severe enough to cause death.

Only a small amount (less than 5%) of most Barbiturates are excreted unaltered in the urine.

The approximate detection time limits for Barbiturates are:

Short acting (e.g. Secobarbital) 100 mg PO (oral) 4.5 days
Long acting (e.g. Phenobarbital) 400 mg PO (oral) 7 days¹

The One Step Drug Screen Test Card yields a positive result when the Barbiturates in urine exceed 300 ng/mL.

BENZODIAZEPINES (BZO)

Benzodiazepines are medications that are frequently prescribed for the symptomatic treatment of anxiety and sleep disorders. They produce their effects via specific receptors involving a neurochemical called gamma aminobutyric acid (GABA). Because they are safer and more effective, Benzodiazepines have replaced barbiturates in the treatment of both anxiety and insomnia. Benzodiazepines are also used as sedatives before some surgical and medical procedures, and for the treatment of seizure disorders and alcohol withdrawal.

Risk of physical dependence increases if Benzodiazepines are taken regularly (e.g., daily) for more than a few months, especially at higher than normal doses. Stopping abruptly can bring on such symptoms as trouble sleeping, gastrointestinal upset, feeling unwell, loss of appetite, sweating, trembling, weakness, anxiety and changes in perception.

Only trace amounts (less than 1%) of most Benzodiazepines are excreted unaltered in the urine; most of the concentration in urine is conjugated drug. The detection period for the Benzodiazepines in urine is 3-7 days. The One Step Drug Screen Test Card yields a positive result when the Benzodiazepines in urine exceed 300 ng/mL.

COCAINE (COC 300)

Cocaine is a potent central nervous system stimulant and a local anesthetic. Initially, it brings about extreme energy and restlessness while gradually resulting in tremors, over-sensitivity and spasms. In large amounts, cocaine causes fever, unresponsiveness, difficulty in breathing and unconsciousness. Cocaine is often self-administered by nasal inhalation, intravenous injection and free-base smoking. It is excreted in urine in a short time primarily as Benzoylgonine.^{2,3} Benzoylgonine, a major metabolite of cocaine, has a longer biological half-life (5-8 hours) than cocaine (0.5-1.5 hours), and can generally be detected for 24-48 hours after cocaine exposure.⁴

The One Step Drug Screen Test Card yields a positive result when the cocaine metabolite in urine exceeds 300 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).⁴

COCAINE (COC 150)

The COC-150 One Step Cocaine Test Strip yields a positive result when the cocaine metabolite in urine exceeds 150 ng/mL.

MARIJUANA (THC)

THC (Δ^9 -tetrahydrocannabinol) is the primary active ingredient in cannabis (marijuana). When smoked or orally administered, THC produces euphoric effects. Users have impaired short term memory and slowed learning. They may also experience transient episodes of confusion and anxiety. Long-term, relatively heavy use may be associated with behavioral disorders. The peak effect of marijuana administered by smoking occurs in 20-30 minutes and the duration is 80-120 minutes after one cigarette. Elevated levels of urinary metabolites are found within hours of exposure and remain detectable for 3-10 days after smoking. The main metabolite excreted in urine is 11-nor- Δ^9 -tetrahydrocannabinol- θ -carboxylic acid (Δ^9 -THC-COOH).

The One Step Drug Screen Test Card yields a positive result when the concentration of THC-COOH in urine exceeds 50 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).¹

METHADONE (MTD)

Methadone is a narcotic analgesic prescribed for the management of moderate to severe pain and for the treatment of opiate dependence (heroin, Vicodin, Percocet, Morphine). The pharmacology of Oral Methadone is very different from IV Methadone. Oral Methadone is partially stored in the liver for later use. IV Methadone acts more like heroin. In most states you must go to a pain clinic or a Methadone maintenance clinic to be prescribed Methadone.

Methadone is a long acting pain reliever producing effects that last from twelve to forty-eight hours. Ideally, Methadone frees the client from the pressures of obtaining illegal heroin, from the dangers of injection, and from the emotional roller coaster that most opiates produce. Methadone, if taken for long periods and at large doses, can lead to a very long withdrawal period. The withdrawal from Methadone are more prolonged and troublesome than those provoked by heroin cessation, yet the substitution and phased removal of methadone is an acceptable method of detoxification for patients and therapists.¹ The One Step Drug Screen Test Card yields a positive result when the Methadone in urine exceeds 300 ng/mL.

METHAMPHETAMINE (mAMP 1,000)

Methamphetamine is an addictive stimulant drug that strongly activates certain systems in the brain. Methamphetamine is closely related chemically to amphetamine, but the central nervous system effects of Methamphetamine are greater. Methamphetamine is made in illegal laboratories and has a high potential for abuse and dependence. The drug can be taken orally, injected, or inhaled. Acute higher doses lead to enhanced stimulation of the central nervous system and induce euphoria, alertness, reduced appetite, and a sense of increased energy and power. Cardiovascular responses to Methamphetamine include increased blood pressure and cardiac arrhythmias. More acute responses produce anxiety, paranoia, hallucinations, psychotic behavior, and eventually, depression and exhaustion. The effects of Methamphetamine generally last 2-4 hours and the drug has a half-life of 8-24 hours in the body. Methamphetamine is excreted in urine as amphetamine and oxidized and deaminated derivatives. However, 10-20% of Methamphetamine is excreted unchanged. Thus, the presence of the parent

compound in urine indicates Methamphetamine use. Methamphetamine is generally detectable in the urine for 3-5 days, depending on urine pH level. The One Step Drug Screen Test Card yields a positive result when the Methamphetamine in urine exceeds 1,000 ng/mL.

METHAMPHETAMINE (mAMP 500)

The mAMP 500 One Step Methamphetamine Test Strip is a rapid urine screening test that can be performed without the use of an instrument. The test utilizes a monoclonal antibody to selectively detect elevated levels of Methamphetamine in urine. The mAMP 500 One Step Methamphetamine Test Strip yields a positive result when the Methamphetamine in urine exceeds 500 ng/mL. See METHAMPHETAMINE (mAMP 1,000) for a summary.

METHYLENEDIOXYMETHAMPHETAMINE (MDMA) ECSTASY

Methylenedioxymethamphetamine (ecstasy) is a designer drug first synthesized in 1914 by a German drug company for the treatment of obesity.¹ Those who take the drug frequently report adverse effects, such as increased muscle tension and sweating. MDMA is not clearly a stimulant, although it has, in common with amphetamine drugs, a capacity to increase blood pressure and heart rate. MDMA does produce some perceptual changes in the form of increased sensitivity to light, difficulty in focusing, and blurred vision in some users. Its mechanism of action is thought to be via release of the neurotransmitter serotonin. MDMA may also release dopamine, although the general opinion is that this is a secondary effect of the drug (Nichols and Oberlander, 1990). The most pervasive effect of MDMA, occurring in virtually all people who took a reasonable dose of the drug, was to produce a clenching of the jaw. The One Step Drug Screen Test Card yields a positive result when Methylenedioxymethamphetamine in urine exceeds 500 ng/mL.

OPIATE (OPI 300)

Opiate refers to any drug that is derived from the opium poppy, including the natural products, morphine and codeine, and the semi-synthetic drugs such as heroin. Opioid is more general, referring to any drug that acts on the opioid receptor.

Opioid analgesics comprise a large group of substances which control pain by depressing the central nervous system. Large doses of morphine can produce higher tolerance levels, physiological dependency in users, and may lead to substance abuse. Morphine is excreted unmetabolized, and is also the major metabolic product of codeine and heroin. Morphine is detectable in urine for several days after an opiate dose.¹ The One Step Drug Screen Test Card yields a positive result when the concentration of opiate exceeds the 300 ng/mL cut-off level.

OPIATE (OPI 2,000)

The One Step Drug Screen Test Card yields a positive result when the morphine in urine exceeds 2,000 ng/mL. This is the suggested screening cut-off for positive specimens set by the Substance Abuse and Mental Health Services Administration (SAMHSA, USA).¹ See opiate (OPI 300) for summary.

OXYCODONE (OXY)

Oxycodone is a semi-synthetic opioid with a structural similarity to codeine. The drug is manufactured by modifying thebaine, an alkaloid found in the opium poppy. Oxycodone, like all opiate agonists, provides pain relief by acting on opioid receptors in the spinal cord, brain, and possibly directly in the affected tissues. Oxycodone is prescribed for the relief of moderate to high pain under the well-known pharmaceutical trade names of OxyContin®, Tylox®, Percodan® and Percocet®. While Tylox, Percodan and Percocet contain only small doses of oxycodone hydrochloride combined with other analgesics such as acetaminophen or aspirin, OxyContin consists solely of oxycodone hydrochloride in a time-release form.

Oxycodone is known to metabolize by demethylation into oxycodone and noroxycodone. In a 24-hour urine, 33-61% of a single, 5mg oral dose is excreted with the primary constituents being unchanged drug (13-19%), conjugated drug (7-29%) and conjugated oxymorphone (13-14%).¹ The window of detection for oxycodone in urine is expected to be similar to that of other opiates such as morphine.

The OXYCODONE One Step Oxycodone Test Strip yields a positive result when the oxycodone level in urine exceeds 100 ng/mL.

PHENCYCLIDINE (PCP)

Phencyclidine, also known as PCP or Angel Dust, is a hallucinogen that was first marketed as a surgical anesthetic in the 1950's. It was removed from the market because patients receiving it became delirious and experienced hallucinations.

Phencyclidine is used in powder, capsule, and tablet form. The powder is either snorted or smoked after mixing it with marijuana or vegetable matter. Phencyclidine is most commonly administered by inhalation but can be used intravenously, intranasally, and orally. After low doses, the user thinks and acts swiftly and experiences mood swings from euphoria to depression. Self-injurious behavior is one of the devastating effects of Phencyclidine.

PCP can be found in urine within 4 to 6 hours after use and will remain in urine for 7 to 14 days, depending on factors such as metabolic rate, user's age, weight, activity, and diet.¹ Phencyclidine is excreted in the urine as an unchanged drug (4% to 19%) and conjugated metabolites (25% to 30%).¹

The One Step Drug Screen Test Card 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 Mental Health Services Administration (SAMHSA, USA).

PROPOXYPHENE (PPX)

Propoxyphene (PPX) is a narcotic analgesic compound bearing structural similarity to methadone. As an analgesic, propoxyphene can be from 50-75% as potent as oral codeine. Darvocet™, one of the most common brand names for the drug, contains 50-100 mg of propoxyphene napsylate and 325-650 mg of acetaminophen. Peak plasma concentrations of propoxyphene are achieved from 1 to 2 hours post dose. In the case of overdose, propoxyphene blood concentrations can reach significantly higher levels. In humans, propoxyphene is metabolized by N-demethylation to yield nortripropoxyphene. Nortripropoxyphene has a longer half-life (30 to 38 hours) than parent propoxyphene (8 to 12 hours). The accumulation of nortripropoxyphene seen with repeated doses may be largely responsible for resultant toxicity. The One Step Propoxyphene Test Strip yields a positive result when the concentration of Propoxyphene or Nortripropoxyphene in urine exceeds 300 ng/mL.

TRICYCLIC ANTIDEPRESSANTS (TCA)

TCA (Tricyclic Antidepressants) are commonly used for the treatment of depressive disorders. TCA overdoses can result in profound central nervous system depression, arrhythmias and anticholinergic effects. TCA overdose is the most common cause of death from prescription drugs. TCAs are taken orally or sometimes by injection. TCAs are metabolized in the liver. Both TCAs and their metabolites are excreted in urine mostly in the form of metabolites for up to ten days. The One Step Drug Screen Test Card yields a positive result when the concentration of Tricyclic Antidepressants in urine exceeds 1,000 ng/mL.

PRINCIPLE

The One Step Drug Screen Test Card is an immunoassay based on the principle of competitive binding. Drugs which may be present in the urine specimen compete against their respective drug conjugate for binding sites on their specific antibody.

During testing, a urine specimen migrates upward by capillary action. A drug, if present in the urine specimen below its cut-off concentration, will not saturate the binding sites of its specific antibody. The antibody will then react with the drug-protein conjugate and a visible colored line will show up in the test line region of the specific drug strip. The presence of drug above the cut-off concentration will saturate all the binding sites of the antibody. Therefore, the colored line will not form in the test line region.

A drug-positive urine specimen will not generate a colored line in the specific test line region of the strip because of drug competition, while a drug-negative urine specimen will generate a line in the test line region because of the absence of drug competition.

To serve as a procedural control, a colored line will always appear at the control line region, indicating that proper volume of specimen has been added and membrane wicking has occurred.

REAGENTS

The test contains a membrane strip coated with drug-protein conjugates (purified bovine albumin) on the test line, a goat polyclonal antibody against gold-protein conjugate at the control line, and a dye pad which contains colloidal gold particles coated with mouse monoclonal antibody specific to Amphetamine, Barbiturates, Benzococaine, Cocaine, Marijuana, Methadone, Methamphetamine, Methylenedicyclophosphatamine, Morphine, Oxycodone, Phenylephrine, Propoxyphene or Tricyclic Antidepressants.

PRECAUTIONS

- For healthcare professionals including professionals at point of care sites.
- For *in vitro* diagnostic use only. Do not use after the expiration date.
- The test card should remain in the sealed pouch until use.
- All specimens should be considered potentially hazardous and handled in the same manner as an infectious agent.
- The used test card should be discarded according to federal, state and local regulations.

STORAGE AND STABILITY

Store as packaged in the sealed pouch at 2°-30°C (36°-86°F). The test is stable through the expiration date printed on the sealed pouch. The test card must remain in the sealed pouch until use. DO NOT FREEZE. Do not use beyond the expiration date.

SPECIMEN COLLECTION AND PREPARATION

Urine Assay

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

Specimen Storage

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

MATERIALS

Materials Provided

- One Step Drug Screen Test Card
- Package insert

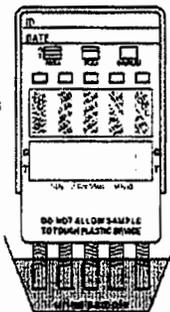
Materials Required But Not Provided

- Specimen collection container
- Timer
- External controls

DIRECTIONS FOR USE

Allow the test card, urine specimen, and/or controls to equilibrate to room temperature (15-30°C) prior to testing.

- Remove the test card from the sealed pouch and use it as soon as possible. Remove the cap from the end of the test card. Immerse the strip(s) of the test card vertically in the urine specimen for at least 10-15 seconds. Immerse the test card to at least the level of the wavy lines on the strip(s), but not above the arrow(s) on the test card. See the illustration below.
- Replace cap and place the test card on a non-absorbent flat surface. Start the timer and wait for the colored line(s) to appear. The results should be read at 5 minutes. Results remain stable for up to 4 hours after test initiation.



C T NEGATIVE

C T POSITIVE

C T INVALID

Note: This illustration shows a 5-drug test card

INTERPRETATION OF RESULTS

(Please refer to the illustration above)

NEGATIVE: Two lines appear. A colored line appears in the Control region (C) and a colored line appears in the Test region (T). This negative result means that the concentrations in the urine sample are below the designated cut-off levels for a particular drug tested.

NOTE: The shade of the colored line(s) in the Test region (T) may vary. The result should be considered negative whenever there is even a faint line.

POSITIVE: A colored line appears in the Control region (C) and NO line appears in the Test region (T). The positive result means that the drug concentration in the urine sample is greater than the designated cut-off for a specific drug.

INVALID: No line appears in the Control region (C). Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for Control line failure. Read the directions again and repeat the test with a new test card. If the result is still invalid, contact your manufacturer.

QUALITY CONTROL

A procedural control is included in the test. A 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.

Control standards are not supplied with this kit. However, it is recommended that positive and negative controls be tested as good laboratory practice to confirm the test procedure and to verify proper test performance.

LIMITATIONS

- The One Step Drug Screen Test Card provides only a qualitative, preliminary/analytical result. A secondary analytical method must be used to obtain a confirmed result. Gas chromatography / mass spectrometry (GC/MS) is the preferred confirmatory method.
- There is a possibility that technical or procedural errors, as well as other interfering substances in the urine specimen may cause erroneous results.
- Adulterants, such as bleach and/or alum, in urine specimens may produce erroneous results regardless of the analytical method used. If adulteration is suspected, the test should be repeated with another urine specimen.
- A Positive result does not indicate level of intoxication, administration route or concentration in urine.
- A Negative result may not necessarily indicate drug-free urine. Negative results can be obtained when drug is present but below the cut-off level of the test.
- Test does not distinguish between drugs of abuse and certain medications.

PERFORMANCE CHARACTERISTICS

Accuracy

A side-by-side comparison was conducted using the One Step Drug Screen Test Card and commercially available drug rapid tests. Testing was performed on approximately 300 specimens per drug type previously collected from subjects presenting for Drug Screen Testing. Presumptive positive

results were confirmed by GC/MS. The following compounds were quantified by GC/MS and contributed to the total amount of drugs found in presumptive positive urine samples tested.

Test	Compounds Contributed to the Totals of GC/MS
AMP	Amphetamine
BAR	Barbiturates, Butalbital, Phenobarbital, Pentobarbital
BZO	Oxazepam, Nortripropoxyphene, OH-Alprazolam, Dosulepin, Fluoxetine
COC	Benzococaine
THC	11-nor- Δ^9 -tetrahydrocannabinol-9-carboxylic acid
MTD	Methadone
mAMP	Methamphetamine
MDMA	3,4-Methylenedicyclophosphatamine
OPI	Morphine, Codeine
OXY	Oxycodone
PCP	Phencyclidine
PPX	Propoxyphene
TCA	Nortripropoxyphene

The following results are tabulated from these clinical studies:

Method	GC/MS					
	Neg.	Neg. (< -25% cutoff)	Near cutoff neg. (-25% cutoff to cutoff)	Near cutoff pos. (cutoff to +25% cutoff)	Pos. (> +25% cutoff)	% agreement with GC/MS
AMP	Positive 0	1	8	18	114	87%
	Negative 148	7	5	4	0	85%
BAR	Positive 0	0	4	5	117	82%
	Negative 150	1	5	1	0	88%
BZO	Positive 0	7	1	5	28	87%
	Negative 148	7	1	3	1	85%
COC	Positive 0	2	15	16	103	88%
	Negative 150	5	7	1	1	80%
THC	Positive 0	13	9	12	109	88%
	Negative 150	8	0	0	1	87%
MTD	Positive 0	0	10	10	112	96%
	Negative 150	17	0	0	1	84%
mAMP	Positive 0	0	10	9	128	89%
	Negative 150	0	4	1	0	84%
MDMA	Positive 0	0	3	6	82	88%
	Negative 147	0	2	0	0	>88%
OPI	Positive 0	2	7	10	131	>88%
	Negative 150	0	0	0	0	84%
OPI 2,000	Positive 0	0	16	18	116	>88%
	Negative 150	0	0	0	0	80%
PCP	Positive 0	0	6	10	40	>88%
	Negative 150	8	0	0	0	87%
TCA	Positive 0	12	8	15	20	>88%
	Negative 150	17	0	0	0	80%

% Agreement with Commercial Kit

	AMP 1,000	AMP 300	BAR	BZO	COC 300	COC 150	THC	MTD	mAMP 1,000
Positive Agreement	87%	>88%	>88%	80%	85%	>88%	88%	88%	88%
Negative Agreement	>88%	>88%	>88%	87%	>88%	>88%	>88%	>88%	>88%
Total Results	86%	>88%	89%	84%	88%	>88%	88%	>88%	88%

	mAMP 500	MDMA	OPI 300	OPI 2,000	OXY	PCP	PPX	TCA
Positive Agreement	>88%	>88%	>88%	>88%	87%	88%	>88%	85%
Negative Agreement	80%	88%	>88%	>88%	87%	>88%	>88%	>88%
Total Results	87%	88%	>88%	>88%	87%	88%	>88%	88%

%Agreement with GC/MS

	AMP 1,000	AMP 300	BAR	BZO	COC 300	COC 150	THC	MTD	mAMP 1,000
Positive Agreement	97%	>99%	92%	97%	98%	>99%	96%	96%	99%
Negative Agreement	95%	99%	98%	95%	90%	98%	97%	>94%	94%
Total Results	96%	99%	95%	96%	93%	98%	96%	>98%	96%

	mAMP 500	MDMA	OPI 300	OPI 2,000	OXY	PCP	PPX	TCA*
Positive Agreement	98%	96%	>99%	>99%	98%	100%	94%	>99%
Negative Agreement	96%	>99%	94%	>90%	97%	97%	99%	99%
Total Results	96%	96%	97%	>95%	97%	98%	96%	94%

Forty (40) clinical samples for each drug were run using each of The One Step Drug Screen Test Card by an untrained operator at a Professional Point of Care site. Based on GC/MS data, the operator obtained statistically similar Positive Agreement, Negative Agreement and Overall Agreement rates as trained laboratory personnel.
*Note: TCA was based on HPLC data.

Precision

A study was conducted at three physician offices by untrained operators using three different lots of product to demonstrate the within run, between run and between operator precision. An identical panel of coded specimens, containing drugs at the concentration of $\pm 50\%$ and $\pm 25\%$ cut-off level, was labeled, blinded and tested at each site. The results are given below:

AMPHETAMINE (AMP 1,000)

Amphetamine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
500	15	15*	0	15	0	14	1
750	15	13	2	11	4	11	4
1,250	15	8	7	4	11	4	11
1,500	15	2	13	1	14	1	14

AMPHETAMINE (AMP 300)

Amphetamine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
150	15	15	0	15	0	15	0
225	15	9	6	14	1	11	4
375	15	1	14	3	12	0	15
450	15	0	15	0	15	0	15

BARBITURATES (BAR)

Secobarbital conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
150	15	13	2	15	0	15	0
225	15	5	10	7	8	10	5
375	15	2	13	5	10	5	10
450	15	0	15	1	14	1	14

BENZODIAZEPINES (BZO)

Oxazepam conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
150	15	14	1	14	1	15	0
225	15	11	4	14	1	14	1
375	15	0	15	1	14	3	12
450	15	0	15	0	15	0	15

COCAINE (COC 300)

Benzoylcocaine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	14*	0	15	0	15	0
150	15	14	1	15	0	14	1
225	15	4	11	5	10	8	7
375	15	0	15	0	15	0	15
450	15	0	15	0	15	1	14

*Note: One invalid result was obtained.

COCAINE (COC 150)

Benzoylcocaine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
75	15	15	0	14	1	15	0
112	15	13	2	7	8	15	0
187	15	0	15	0	15	1	14
225	15	0	15	0	15	0	15

MARIJUANA (THC)

11-nor- Δ^9 -THC-9-COOH conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
25	15	15	0	15	0	14	1
37.5	15	9	6	14	1	9	6
62.5	15	2	13	0	15	0	15
75	15	0	15	0	15	0	15

METHADONE (MTD)

Methadone conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
150	15	12	3	15	0	15	0
225	15	8	7	14	1	15	0
375	15	0	15	0	16	1	14
450	15	1	14	0	15	0	15

METHAMPHETAMINE (mAMP 1,000)

Methamphetamine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
500	15	15	0	14	1	13	2
750	15	11	4	10	5	10	5
1,250	15	8	7	4	11	6	9
1,500	15	1	14	1	14	0	15

METHAMPHETAMINE (mAMP 500)

Methamphetamine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
250	15	15	0	15	0	15	0
375	15	15	0	10	5	15	0
625	15	1	14	0	15	2	13
750	15	0	15	0	15	0	15

METHYLENEDIOXYMETHAMPHETAMINE (MDMA) ECSTASY

Methylenedioxyamphetamine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
250	15	15	0	15	0	15	0
375	15	15	0	15	0	15	0
625	15	6	9	4	11	7	8
750	15	0	15	0	15	0	15

OPIATE (OPI 300)

Morphine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
150	15	13	2	13	2	15	0
225	15	3	12	7	8	10	5
375	15	0	15	1	14	0	15
450	15	0	15	0	15	0	15

OPIATE (OPI 2,000)

Morphine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
1,000	15	15	0	15	0	14	1
1,500	15	13	2	11	4	7	6
2,500	15	4	11	1	14	2	13
3,000	15	0	15	0	15	2	13

OXYCODONE (OXY)

Morphine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
50	15	15	0	15	0	14	1
75	15	15	0	14	1	5	10
125	15	15	0	3	12	2	13
150	15	0	15	0	15	0	15

PHENCYCLIDINE (PCP)

Phencyclidine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
12.5	15	15	0	14	1	14	1
18.75	15	11	4	13	2	10	5
31.25	15	8	7	5	10	1	14
37.5	15	4	11	0	15	0	15

PROPOXYPHENE (PPX)

Phencyclidine conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
150	15	15	0	15	0	14	1
225	15	10	5	8	7	7	8
375	15	0	15	0	15	1	14
450	15	0	15	0	15	0	15

TRICYCLIC ANTIDEPRESSANTS (TCA)

Nortriptyline conc. (ng/mL)	n per site	Site A		Site B		Site C	
		-	+	-	+	-	+
0	15	15	0	15	0	15	0
500	15	15	0	15	0	15	0
750	15	14	1	11	4	14	1
1,250	15	8	7	2	13	6	9
1,500	15	1	14	0	15	1	14

Analytical Sensitivity

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

Drug concentration Cut-off Range	n	AMP				BAR				BZO			
		1,000	300	300	300	-	+	-	+	-	+	-	+
0% Cut-off	30	30	0	30	0	30	0	30	0	30	0	30	0
-50% Cut-off	30	30	0	30	0	30	0	30	0	30	0	30	0
-25% Cut-off	30	22	8	27	3	27	3	27	3	27	3	27	3
Cut-off	30	12	18	13	17	22	8	11	19	11	19	11	19
+25% Cut-off	30	2	28	4	26	7	23	5	25	5	25	5	25
+50% Cut-off	30	0	30	0	30	2	28	0	30	2	28	0	30

Drug Concentration Cut-off Range	n	COC 300	COC 150	THC	MTD
0% Cut-off	30	0	0	0	0
-50% Cut-off	30	0	0	0	0
-25% Cut-off	30	0	24	6	12
Cut-off	30	4	25	14	18
+25% Cut-off	30	0	30	7	23
+50% Cut-off	30	0	30	0	30

Drug Concentration Cut-off Range	n	mAMP 1,000	mAMP 500	MDMA	OPI 300
0% Cut-off	30	0	0	0	0
-50% Cut-off	30	0	0	0	0
-25% Cut-off	30	0	23	7	26
Cut-off	30	18	12	13	17
+25% Cut-off	30	1	29	8	22
+50% Cut-off	30	0	30	0	30

Drug Concentration Cut-off Range	n	OPI 2,000	QXY	PCP	PPX
0% Cut-off	30	0	0	0	0
-50% Cut-off	30	0	0	0	0
-25% Cut-off	30	0	23	7	19
Cut-off	30	13	17	13	17
+25% Cut-off	30	4	28	8	22
+50% Cut-off	30	0	30	0	30

Drug Concentration Cut-off Range	n	TCA
0% Cut-off	30	0
-50% Cut-off	30	0
-25% Cut-off	30	22
Cut-off	30	12
+25% Cut-off	30	7
+50% Cut-off	30	0

Analytical Specificity

The following table lists the concentration of compounds (ng/mL) that are detected positive in urine by One Step Drug Screen Test Card at 5 minutes.

Compound	ng/mL	Compound	ng/mL
AMPHETAMINE 1,000		METHADONE	
d-Amphetamine	1,000	Methadone	300
d-L-Amphetamine sulfate	3,000	Dextroamphetamine	50,000
l-Amphetamine	50,000		
3,4-Methylenedioxymphetamine (MDA)	2,000	METHAMPHETAMINE 1,000	
Phentermine	3,000	d-Methamphetamine	1,000
		p-Hydroxymethamphetamine	30,000
AMPHETAMINE 300		l-Methamphetamine	8,000
d-Amphetamine	300	3,4-Methylenedioxymphetamine (MDMA)	2,000
d-L-Amphetamine	390	Mephentermine	50,000
l-Amphetamine	50,000		
3,4-Methylenedioxymphetamine (MDA)	1,500	METHAMPHETAMINE 500	
p-Phenylethylamine	100,000	d-Methamphetamine	300
Phenylpropanolamine	100,000	d-Amphetamine	50,000
Tyramine	100,000	d-L-Amphetamine	75,000
p-Hydroxymphetamine	100,000	Chloroquine	12,500
(S)-Phenylpropanolamine	100,000	3,4-Methylenedioxymphetamine	1,000
p-Hydroxymphetamine	1,500	p-Hydroxymphetamine	15,000
d-Norpseudoephedrine	100,000	Mephentermine	25,000
		(1R,2S)-(-)-Ephedrine	50,000
BARBITURATES		l-Phenylephrine	100,000
Seco-barbital	300	p-Phenylethylamine	75,000
Amobarbital	300		
Aphenol	160	METHYLENEDIOXYMETHAMPHETAMINE (MDMA)	
Apobarbital	200	3,4-Methylenedioxymphetamine (MDMA)	500
Butobarbital	75	3,4-Methylenedioxymphetamine (MDA)	3,000
Buthital	2,500	3,4-Methylenedioxymphetamine (MDEA)	300
Butethal	100		
Cyclopentobarbital	600	OPIATE (OPI 300)	
Pentobarbital	300	Morphine	300
Phenobarbital	100	Codaine	300
BENZODIAZEPINES		Ethylmorphine	9,250

Oxazepam	300	Hydrocodone	50,000
Alprazolam	100	Hydroxymphetamine	3,125
Hydroxyzolam	1,500	Levosalbutamol	1,500
Bromazepam	1,500	d-Menopausylmorphine	400
Chlorazepate	1,500	Morphine 3- β -D-glucuronide	1,000
Chlorzoxipride	781	Norcodeine	6,250
Clozapem	98	Normorphone	100,000
Clonazepam	781	Oxycodone	30,000
Clorazepate dipotassium	195	Oxymorphone	100,000
Dalozepam	1,500	Propaine	15,000
Desaloflurazepam	300	Thebaine	6,250
Diethylpropion	195		
Etazolam	2,500	OPIATE (2,000)	
Flunitrazepam	380	Morphine	2,000
(S)-Lorazepam	1,500	Codaine	2,000
Misazolam	150	Ethylmorphine	5,000
Nitrazepam	98	p-Hydroxymphetamine	12,500
Norchlorzoxipride	781	Hydroxymorphine	5,000
Nortazepam	380	Levosulamid	75,000
Terazepam	98	6-Methoxycodeine	5,000
Tyrolam	2,500	Morphine 3-O-D-glucuronide	2,000
		Norcodeine	12,500
COCAINE 300		Normorphone	50,000
Benzoylcocaine	300	Oxycodone	25,000
Cocaine	780	Oxymorphone	25,000
Cocacetylene	12,500	Propaine	150,000
Ecgonine	32,000	Thebaine	100,000
COCAINE 150		OXYCODONE	
Benzoylcocaine	150	Oxycodone	100
Cocaine	400	Prednisolone	50,000
Cocacetylene	8,250	d-Propoxyphene	12,500
Ecgonine	12,500	Quinine	25,000
Ecgonine methyl ester	50,000	Salicylic acid	1,500
		Sulfadiazole	12,500
MARIJUANA (THC)		Tetrahydrocannabinol 3 (β -D-glucuronide)	1,500
11-nor- Δ^9 -THC-9-OOH	60	Thiazidine	50,000
Cannabinol	20,000	Triamterene	1,000
11-nor- Δ^9 -THC-9-COOH	30	Tyramine	1,000
Δ^9 -THC	15,000	Tripropamine	3,000
Δ^8 -THC	15,000	Amphetamine	1,500
		Promazine	200
PROPOXYPHENE		Desipramine	200
d-Propoxyphene	800	Imipramine	400
n-Norpseudoephedrine	300	Clonidine	12,500
		Omeprazole	2,000
PCP		Magnesium	2,000
Phencyclidine	25	Promethazine	25,000
4-Hydroxyphenacylidine	12,500		

Effect of Urinary Specific Gravity

Fifteen (15) urine samples of normal, high, and low specific gravity ranges (1.000-1.037) were spiked with drugs at 50% below and 50% above cut-off levels respectively. The One Step Drug Screen Test Card was tested in duplicate using 5000 drug-free urine and spiked urine samples. The results demonstrate that varying ranges of urinary specific gravity does not affect the test results.

Effect of the Urinary pH

The pH of an aliquoted negative urine pool was adjusted to a pH range of 5 to 9 in 1 pH unit increments and spiked with drugs at 50% below and 50% above cut-off levels. The spiked, pH-adjusted urine was tested with One Step Drug Screen Test Card. The results demonstrate that varying ranges of pH does not interfere with the performance of the test.

Cross-Reactivity

A study was conducted to determine the cross-reactivity of the test with compounds in other drug-free urine or drug positive urine containing Amphetamine, Barbiturates, Benzodiazepines, Cocaine, Marijuana, Methadone, Methamphetamine, Methylenedioxymphetamine, Opiate, Oxycodone, Phencyclidine, Propoxyphene or Tricyclic Antidepressants. The following compounds show no cross-reactivity when tested with One Step Drug Screen Test Card at a concentration of 100 μ g/mL.

Non Cross-Reacting Compounds

Acetaminophen	Acetophenetidin	N-Acetylprocainamide
Acetylsalicylic acid	Aminopyrine	Amoxillin
Amoxicillin	l-Ascorbic acid	Apomorphine

Aspartame	Atropine	Benzilic acid
Benzoc acid	Benzphetamine*	Betaxolol
Carfene	Carfenite	Cisacuride
d-Brompheniramine	Chloramphenicol	Chloroquine
Chloral hydrate	Chlorpromazine	Chlorzoxipride
d-Chlorpheniramine	Clonidine	Clofibrate
Chlorzoxipride	Cratichne	Deoxyaceticosterone
Clonidine	Diazepam	Diltiazem
l-Cotinine	Diphenhydramine	Egonine methyl ester
Dextromethorphan	β -Estradiol	Estro-ne-3-sulfate
Diphen	(1R,2S)-(-)-Ephedrine	(-)-Ephedrine
l- Δ^9 -Ephedrine	Ethyl-p-aminobenzoate	Fenoprofen
Erythromycin	Erythromycin	Fenpropion
Gentamic acid	Hydrochlorothiazide	Hydrocodone
Hydrochlorothiazide	p-Hydroxymphetamine	o-Hydroxypropionic acid
p-Hydroxymphetamine	ibuprofen	isoxsuprine
iproniazid	l-Isoproterenol	Ketoprofen
Ketamine	Levodopa	Levodopa
Loperamide	5-Methoxytryptamine	Meprobamate
Methoxyphenamine	Morphine 3-O-D-glucuronide	Methylenedioxyamphetamine
Naloxone	Norcodeine	Nalidixic acid
Niacinamide	Normorphone	Naloxone
d-Norpseudoephedrine	Oxycodone	Nifedipine
Oxalic acid	Oxymorphone	Nisipine
Papaverine	Propaine	Novocaine
Phenacetin	Thebaine	Oxalic acid
Phenazone		Panethin-G
Phenylethylamine		Phenylethylamine
Tam-3-phenylethylamine hydrochloride		Phenylethylamine
Prednisolone		Phenylethylamine
d-Propoxyphene		Phenylethylamine
Quinine		Phenylethylamine
Salicylic acid		Phenylethylamine
Sulfadiazole		Phenylethylamine
Tetrahydrocannabinol 3 (β -D-glucuronide)		Phenylethylamine
Thiazidine		Phenylethylamine
Triamterene		Phenylethylamine
Tyramine		Phenylethylamine
Tripropamine		Phenylethylamine
Uric acid		Phenylethylamine

*Parent compound only.

BIBLIOGRAPHY

1. Tietz NW. Textbook of Clinical Chemistry, W.B. Saunders Company, 1986; 1735.
2. Stewart DJ, Inaba T, Lucasen M, Kalow W. Can. Pharmacol. Ther. April 1979; 25: 464, 264-8.
3. Ambre J. J. Anal. Toxicol. 1985; 9:241.
4. Hawes RL, CN Chiang. Urine Testing for Drugs of Abuse. National Institute for Drug Abuse (NIDA), Research Monograph 73, 1986.
5. FDA Guidance Document: Guidance for Premarket Submission for Kits for Screening Drugs of Abuse to be Used by the Consumer, 1987.
6. Robert DeCresco. Drug Testing in the Workplace, 114.
7. Soxhlet RC. Disposition of Toxic Drugs and Chemicals in Man. 2nd Ed. Biomedical Publ. Davis, CA 1982; 487.
8. Wiegand, Goll, A Handbook of Drug and Alcohol Abuse, Third Edition, Oxford Press, 1992, page 146.

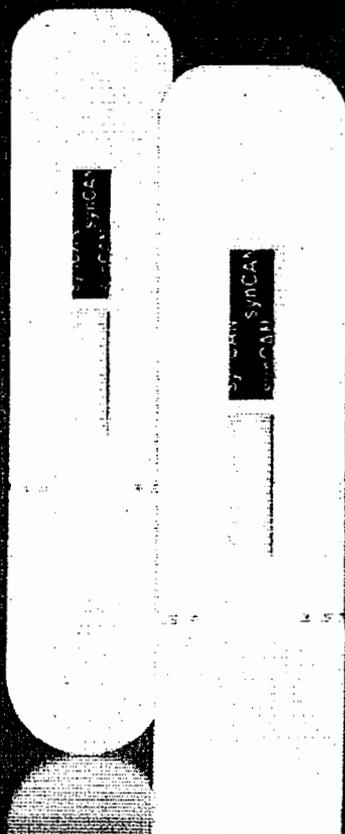


Redwood, substance abuse screening devices are manufactured in China for Redwood Toxicology Laboratory, Inc.

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Synthetic Cannabinoid Dip Card Drug Test



Detect 2 federally banned, yet prevalent, synthetic cannabinoids in urine: JWH-018 and JWH-073.

Rapid screening for “synthetic marijuana” also known as K2 & Spice.

DIP CARD DRUG SCREENING DEVICES + LABORATORY CONFIRMATION = THE PERFECT PAIR.

Synthetic cannabinoid compounds, found to be 4 to 100 times stronger than marijuana, are deceptively marketed as incense or herbal smoke products and sold under names such as K2, K3 Legal, Spice, Syn, Haze, Cloud Nine and many others.

The test device you select should be from an innovative and experienced leader. We can say with confidence that our high-quality screening devices will enable you to easily administer, interpret and certify results of on site synthetic cannabinoid tests. Perform initial instant screening and order lab confirmation—all from one company. Now you'll know.

KIT CONTENTS

- 25 individually sealed devices
- 1 product insert

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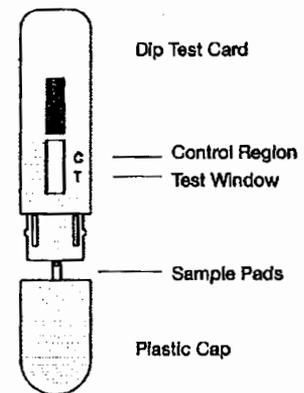
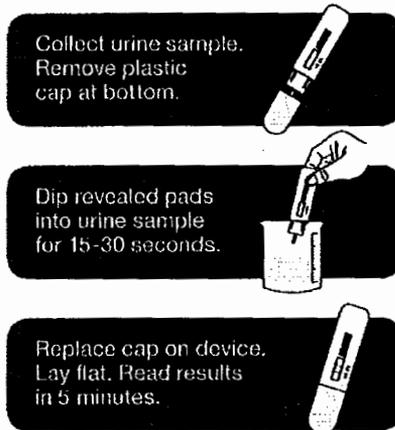
www.redwoodtoxicology.com

Features & benefits

- » Qualitative urine metabolite detection of JWH-018 (30 ng/mL cutoff) and JWH-073 (15 ng/mL cutoff)
- » Targets abuse of many "herbal" smoking blends including: K2, K3, Spice, Genie, Black Mombó, Pot-pouri, Buzz and many more
- » Onsite results in 5 minutes
- » Simple procedure: collect, dip, and read results
- » Average window of detection is 72 hours following a single low dose; in case of chronic use the window is much longer
- » Perform initial screening and order further lab testing for enhanced accuracy
- » Complete collection & confirmation kits available

How it works.

PRODUCT TRAINING AND CERTIFICATION AVAILABLE ONLINE.



PRODUCT PROCEDURE NOTE: Refer to product insert for complete instructions, limitations, and warnings.

For in vitro diagnostic use only. This assay provides only a preliminary analytical test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) or liquid chromatography/tandem mass spectrometry (LC/MS/MS) are the preferred confirmatory methods. Clinical consideration and professional judgement should be applied to any drug of abuse test result, particularly when preliminary positive results are indicated.

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Laboratory: 800-255-2159 // Screening Devices: 877-444-0049 // Fax: 707-577-8102
3650 Westwind Blvd., Santa Rosa, CA 95403 // www.redwoodtoxicology.com

One Step Synthetic Cannabinoids Drug Screen Test

FOR FORENSIC USE ONLY

INTENDED USE

The One Step Synthetic Cannabinoids Drug Screen Test is a lateral flow immunoassay for the specific, qualitative detection of synthetic cannabinoids metabolites in human urine at a cut-off level of 30ng/mL. The synthetic cannabinoids detected by the test include, but are not limited to, the metabolites of JWH-018 and JWH-073. This assay is intended for forensic use only.

This assay provides only a preliminary result. Careful consideration and professional judgment must be applied to any drug of abuse test result, particularly in evaluating a preliminary positive result. In order to obtain a confirmed analytical result, a more specific alternate chemical method is needed. Liquid Chromatography/Mass Spectrometry (LC/MS) is the preferred confirmation method.

SUMMARY AND EXPLANATION

Synthetic Cannabins is a family of compounds that when consumed mimics the effects of Marijuana. It is also known by the brand names of K2 and Spice, both of which have largely become trademarks used to refer to any synthetic cannabinoids product. Studies suggest that synthetic cannabinoid intoxication is associated with acute psychosis, and the worsening of previously stable psychotic disorders among vulnerable individuals such as those with a family history of mental illness. JWH-018 and JWH-073 are the primary synthetic cannabinoid receptor agonists responsible for the euphoric and psychoactive effects that imitate Marijuana and are among the numerous compounds found in "herbal" incense or smoke blends. Most popular herbal smoking products are marketed under the brand names of K-2, K-3, Spice, Genie, Black Mombó, Pot-pouri, Buzz, Pulse, Hush, Mystery, Earthquake, Ocean Blue, Stinger, Yucatan Fire, as well as many others.

TEST PRINCIPLE

The One Step Synthetic Cannabinoids Drug Screen Test is based on the principle of competitive immunochemical reaction between a chemically labeled drug (drug-protein conjugate) and the drug or drug metabolites which may be present in the urine sample for the limited antibody binding sites. The test contains a nitrocellulose membrane strip pre-coated with drug-protein conjugate in the test region and a pad containing colored antibody-colloidal gold conjugate. During the test, the urine sample migrates upward and rehydrates the antibody-colloidal gold conjugate. The mixture then migrates along the membrane chromatographically by the capillary action to the immobilized drug-protein band on the test region. When drug is absent in the urine, the colored antibody-colloidal gold conjugate and immobilized drug-protein bind specifically to form a visible line in the test region. When drug is present in the urine, it will compete with drug-protein for the limited antibody sites. The line on the test region will become less intense with increasing drug concentration. When a sufficient concentration of drug is present in the urine, it will fill the limited antibody binding sites. This will prevent attachment of the colored antibody-colloidal gold conjugate 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 absence of the test line on the test region indicates a preliminary 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 line 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 control line. The presence of control line serves as a built-in control, which demonstrates that the test is performed properly.

REAGENTS & MATERIALS SUPPLIED

- 25 individually wrapped test cards. Each card consists of a test strip in a plastic test strip holder. The test strip contains a colloidal gold pad containing coated drug-targeted antibody and rabbit antibody. It also contains a membrane coated with drug-protein conjugate in the test band and goat anti-rabbit antibody in the control band region.
- One instruction sheet
- Security seals (if applicable)

MATERIAL REQUIRED BUT NOT PROVIDED

- Timer
- Specimen collection container
- External positive and negative controls

WARNINGS AND PRECAUTIONS

- For Forensic Use Only
- Urine specimens and used cards may be potentially infectious. Proper handling and disposal methods should be established.
- This is a single use test.
- Avoid cross-contamination of urine samples by using a new specimen collection container for each urine sample.
- The test card should remain sealed in the foil pouch until ready for use.
- Do not use the test kit after the expiration date.

STORAGE

The One Step Synthetic Cannabinoids Drug Screen Test 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 to a temperature greater than 30°C.

SPECIMEN COLLECTION AND HANDLING

Fresh urine does not require any special handling or pretreatment. A clean, dry plastic or glass container may be used for specimen collection. If the specimen will not be tested immediately after the collection, the specimen may be refrigerated at 2-8°C up to 3 days or frozen at -20°C for longer a period of time. Specimens that have been refrigerated must be equilibrated to room temperature prior to testing. Specimens previously frozen must be thawed and mixed thoroughly prior to testing.

Note: Urine specimens and all materials coming in contact with them should be handled and disposed as if capable of transmitting infection. Avoid contact with skin by wearing gloves and proper laboratory attire.

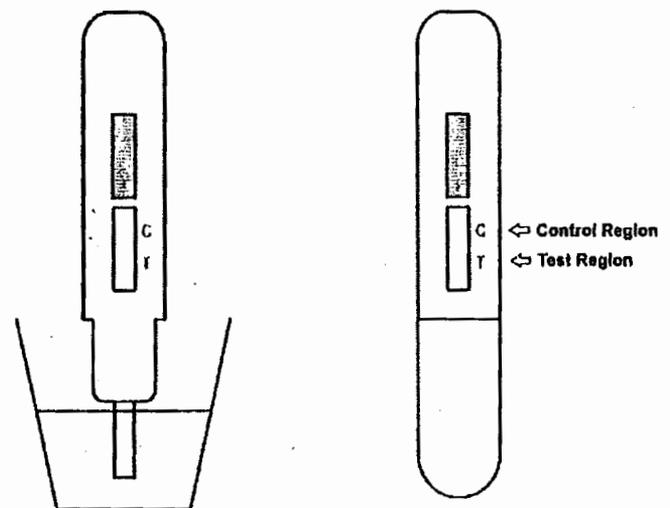
ASSAY PROCEDURE FOR DRUG TEST

Preparation

1. If the specimen, control, or test cards have been stored at refrigerated temperatures, allow them to warm to room temperature before testing.
2. Do not open test card pouch until ready to perform the test.

Testing

1. Remove the card test from the sealed pouch. Write donor name or ID on the plastic. Remove the cap to expose the sampling tips.
2. Immerse the sampling tip into the urine specimen for approximately 15 to 30 seconds. Do not allow specimen to come in contact with the plastic housing. Replace the cap over the sampling tip and then place the test card on a flat surface.
3. Read results of drugs of abuse tests in 5 minutes. Do not interpret result after 60 minutes. Refer to interpretation of results section.



Drug screen card test

INTERPRETATION OF RESULTS

Negative (-): A colored line appears at the control region (C) and a colored line appears at a specific drug test region (T). The appearance of a control line and test line indicates a negative test result. The test lines may have varying intensity either weaker or stronger in color than that of the control line.

Positive (+): A colored line appears in the control region and no colored line appears at a specific drug test region. The complete absence of a test line indicates a preliminary positive result for that particular drug. A preliminary positive result for a drug indicates that the concentration of that drug in the urine is at or above the cutoff level.

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 card. A line must form in the Control band region regardless of the presence or absence of drugs or metabolites. The presence of the line in the Control region indicates that sufficient sample volume has been used and that the reagents are migrating properly. If the line in the Control region does not form, the test is considered invalid and must be repeated.

To ensure proper kit performance, it is recommended that the One Step Synthetic Cannabinoids Drug Screen Test cards be tested using external controls with each new lot of product and each new shipment. External controls are available from commercial sources. Additional testing may be necessary to comply with the requirements accrediting 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 the test indicates only the presence of a drug/metabolite and does not indicate or measure intoxication.
- There is a possibility that technical or procedural errors as well as other substances present in the urine sample may interfere with the test and cause false results. See SPECIFICITY and INTERFERENCE 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 a new sample.

PERFORMANCE CHARACTERISTICS

A. Accuracy

The accuracy of the One Step Synthetic Cannabinoids Drug Screen Test was evaluated in comparison to liquid chromatography/tandem mass spectrometry (LC/MS-MS). Eighty-seven (87) specimens, comprised of 43 negative urine samples and 44 positive urine samples, were blinded and tested with the One Step Synthetic Cannabinoids Drug Screen Test and compared to the LC/MS-MS results. The testing showed a >95% agreement between the two methods.

B. Precision

A study was conducted in an effort to determine the precision of the One Step Synthetic Cannabinoids Drug Screen Test. Testing was conducted using three different lots of product to demonstrate the within-run and between-run precision. The correlation with expected results for the solutions targeted to +/-50% of the cutoff was > 99% across all lots.

C. Specificity

The specificity for the One Step Synthetic Cannabinoids Drug Screen Test was determined by evaluating the performance of assay when tested with various drugs, drug metabolites, 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.

Compound	Conc. (ng/ml)	Compound	Conc. (ng/ml)
JWH-018 Pentanoic acid	30	JWH-073 Butanoic acid	15
JWH-018-N-4-hydroxypentyl	200	JWH-073-N-4-hydroxybutyl	300
JWH-031-N-5-hydroxypentyl	1000	JWH-200-N-6-hydroxyindole	300
AM-2201-N-4-hydroxypentyl	1000	JWH-250-N-5-hydroxyindole	300
RCS-4-N-5-Carboxypentyl	250		

D. INTERFERENCE

The following compounds were evaluated for potential positive and/or negative interference with the One Step Synthetic Cannabinoids Drug Screen Test. All compounds were dissolved in a Drug-free control solutions and tested with One Step Synthetic Cannabinoids Drug Screen Test. An unaltered 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 µg/ml.

Acetaminophen	Diazepam	Morphine Sulfate
Acetone	4-Dimethylaminoantipyrine	Myoglobin
Acetylsalicylic acid	Diphenhydramine	Naloxone
Albumin	Dopamine	Niacinamide
Amiripryline	Ecgonine HCL	Nicotine
Amobarbital	Ecgonine Methyl Ester	Nortriptyline
Amphetamine	EDDP	Omeprazole
Ampicillin	Efavirenz	Oxalic Acid
Ascorbic Acid	Ephedrine	Oxycodone
Atropine Sulfate	(+/-)-Epinephrine	Oxymorphone
Benzocaine	Erythronycin	Oxazepam
Benzoyllecgonine HCL	Ethanol	Pantoprazole
Bilirubin	Furosemide	Penicillin-O
Bup-3-B-glucuronide	Glucose	Pentobarbital
Buprenorphine	Hemoglobin	Pheniramine
Butalbital	Hippuric acid	d-Propoxyphene
Caffeine	Hydrocodone	Phencyclidine
Cannabidiol	Hydromorphone	Phenylephrine
Cannabinol	HU-211	β-Phenylethylamine
Chloroquine	Ibuprofen	Procaine
(+)-Chlorpheniramine	Imipramine	Pseudoephedrine
(+/-)-Chlorpheniramine	(+/-)-Isoproterenol	Quinidine
+/- CP 47,497	11-hydroxy-delta-9-THC	Ranitidine
Cocaine	11-nor-Δ ⁹ -THC-9-COOH	Riboflavin
Codeine	Ketamine	RSC-4-N-5-hydroxypentyl
Cotinine	Lansoprazole	Secobarbital
Creatine	Lidocaine	Sodium Chloride
Delta-8-tetrahydrocannabinol	MDA	Sulindac
Dextrompheniramine	MDMA	Theophylline
Dextromethorphan	Methadone	Trimipramine
Dextrose	Methamphetamine	Tyramine
		Urea

E. Effect of Specimen pH

Drug-free sample solutions were adjusted to pH 4-9 and tested using One Step Synthetic Cannabinoids Drug Screen Test. An unaltered sample was used as a control. The results demonstrate that varying ranges of specimen pH do not interfere with the performance of the test.

F. Effect of Specimen Specific Gravity

Drug-free sample solutions were adjusted to specific gravity 1.000-1.030 and tested using One Step Synthetic Cannabinoids Drug Screen Test. An unaltered 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.

BIBLIOGRAPHY OF SUGGESTED READING

1. InfoFacts-Club drugs, NIDA, May 2006, <http://www.nida.nih.gov/infofacts/clubdrugs.html>
2. Drug Fact Sheet, DEA, January 2012, <http://www.dea.gov>

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Are they abusing?

RTL's most popular laboratory drug test is also cost-effective, fast and legally defensible. *We'll find out.*

SELECT FROM A WIDE RANGE OF URINE LABORATORY TEST PANEL OPTIONS THAT SUIT YOUR NEEDS.

Redwood Toxicology Laboratory (RTL) combines vital expertise with industry-standard test methodologies to ensure you receive accurate results and extensive service quickly—helping you to maintain an effective test program. RTL offers hundreds of lab-based test options, in many urine panel configurations.

Our professional toxicologists perform screening and confirmation with state-of-the-art technology and equipment. After initial screening for presumptive positives, we quantitatively confirm by thin layer chromatography (TLC), radioimmunoassay (RIA), gas chromatography (GC), gas chromatography/mass spectrometry (GC/MS), or Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS).

popular urine lab tests — test panels include creatinine and THC/creatinine ratio screens

Urine 5 Panel ¹ (5P)

AMP / COC / OPI /
PCP / THC

Urine 8 Panel ¹ (8P)

ALC / AMP / BAR / BZO /
COC / OPI / PCP / THC

Urine 10 Panel ¹ (10P)

ALC / AMP / BAR / BZO /
COC / MTD / OPI / PCP /
PPX / THC

Expand panels to include: EtG/EtS, synthetic cannabinoids, designer stimulants, and more.

FEATURES AND BENEFITS

- *Urine screening and confirmation with fast, accurate results*
- *Wide range of drug test panels available*
- *Lab analysis provides confirmative evidence of use and defensible results*
- *Fast turn-around time from receipt of specimen (24 hours¹ negative, 48-72 hours positive)*
- *Toll-free customer support services with access to board certified toxicologists*
- *Numerous report options available including, web-based test management solution for all clients*

Start testing for drugs of abuse

800-255-2159

or visit: www.redwoodtoxicology.com



FREQUENTLY ASKED QUESTIONS

Complete list of FAQs available online at www.redwoodtoxicology.com**How do I collect the urine and send in a specimen?**

Collection and shipping guidelines are included in the RTL Reference Guide. A copy is provided with your new account supplies. Please read these instructions carefully. RTL also offers telephonic training and client service support.

How long does it take for results?

Results are typically reported in 24 hours¹ for negatives, 48-72 hours for positives. All presumptive positive results go through a confirmation process to ensure accurate results.

What methodology does RTL use to perform initial screening?

RTL screens urine specimens by enzyme immunoassay (EIA). An immunoassay is a test that uses antibodies to detect the presence of drugs and other substances in urine. The initial screening process does not measure the specific amount of drug present in urine samples. It provides either a positive or negative result, indicating the presence or absence of detectable drug.

Screening Cut-off Levels by EIA

Drug	EIA
Amphetamines	500/1000 ng/mL
Methamphetamine	1000 ng/mL
Barbiturates	200 ng/mL
Benzodiazepines	200 ng/mL
Buprenorphine	5 ng/mL
Cocaine Metabolite (Benzoyllecgonine)	150/300 ng/mL
Ethanol (Alcohol Metabolite)	0.04 gm/dL
Methadone	150 ng/mL
Methadone Metabolite (EDDP)	150 ng/mL
Methaqualone	300 ng/mL
Opiates (Morphine and Codeine)	300 ng/mL
Oxycodone	300 ng/mL
Phencyclidine (PCP)	25 ng/mL
Propoxyphene	300 ng/mL
THC (Cannabinoids)	20/50 ng/mL ²

What testing methodology does RTL use for confirmations?

Confirmations are available by thin layer chromatography (TLC), radioimmunoassay (RIA), gas chromatography (GC), gas chromatography/mass spectrometry (GC/MS) and liquid chromatography/mass spectrometry/mass spectrometry (LC/MS/MS). GC/MS and/or LC/MS/MS is used to confirm presumptive positive drug screen specimens obtained from RTL's instant on-site screening devices.

Confirmation Cut-off Levels by Procedure

Drug	TLC	RIA	GC/MS	LC/MS/MS
Alcohol (Ethanol)			.02 gm/dL (GC-FID) ³	
Amphetamines				
- Amphetamine/Methamphetamine/MDMA & MDA	<500 ng/mL		250 ng/mL	
Barbiturates	<500 ng/mL		200 ng/mL	
Benzodiazepines		200 ng/mL		50 ng/mL
Buprenorphine			0.5 ng/mL	
Cocaine ⁴		150 ng/mL	100 ng/mL	
EtG				100 ng/mL
EtS				25 ng/mL
Fentanyl			5 ng/mL	
GHB			10 mcg/mL	
Marijuana Metabolite (THC-COOH)		25 ng/mL		5 ng/mL
Methadone	<500 ng/mL		100 ng/mL	
Methaqualone	<500 ng/mL			
Opiates				
- Total Morphine/Codeine	<500 ng/mL			100 ng/mL
- 6-Monoacetylmorphine				5 ng/mL
- Hydrocodone/Hydromorphone	1000 ng/mL			100 ng/mL
- Oxycodone	1000 ng/mL			50 ng/mL
- Noroxycodone				50 ng/mL
Phencyclidine (PCP)			10 ng/mL	
Propoxyphene	<500 ng/mL		200 ng/mL	
Tricyclic Antidepressants				
- Amitriptyline/Desipramine/Imipramine/Nortriptyline/Maprotiline				50 ng/mL
- Doxepine				100 ng/mL

Why are screening & confirmation cut-off levels different?

Screening and confirmation testing are performed using different methodologies that require separate cut-off levels. The immunoassay tests used to perform initial drug screens are designed to detect a wide range of chemically similar compounds that react with antibodies which are at the core of the chemistry making up the tests. In contrast, GC/MS and LC/MS/MS confirmatory testing detects specific metabolites that provide identification and quantification of a specific drug.

1. Excludes specimens received Saturday

2. Agency has the ability to choose cut-off levels indicated.

3. Test performed by Gas Chromatography Flame Ionization Detection (GC/FID)

4. Cocaine Metabolite Benzoyllecgonine



Are they drinking?

Strong indicator of ethanol (alcohol) ingestion; ideal for monitoring alcohol abstinence or relapse treatment. *We'll find out.*

ENSURE YOUR PROGRAM FEATURES THE MOST ACCURATE ALCOHOL MONITORING TEST AVAILABLE

EtG is a direct metabolite of alcohol (ethanol). Its presence in urine may be used to detect recent ethanol ingestion, even after ethanol is no longer measurable. The presence of EtG in urine is an indicator that ethanol was ingested and can be detected in urine for up to 80 hours after ingestion. EtG is only evident when ethanol is ingested and is not produced as a result of fermentation.

In addition to EtG, recent scientific studies have identified ethyl sulfate (EtS) as a second specific metabolite or biomarker of ethanol. For this reason, RTL tests and reports EtS, in conjunction with EtG, to confirm recent ethanol ingestion or exposure.

RTL utilizes the most sophisticated, sensitive, and specific equipment and technology available. After first screening for presumptive positives, we quantitatively confirm EtG/EtS by LC/MS/MS (liquid chromatography/mass spectrometry/mass spectrometry). This combination of separate screening and confirmation methods provides highly accurate alcohol biomarker test results.

FEATURES AND BENEFITS

- *Detects recent ingestion more accurately and for a longer period of time than standard alcohol tests*
- *Provides greater sensitivity and accuracy by measuring both EtG/EtS*
- *Ideal for zero tolerance treatment programs and abstinence enforcement*
- *EtG/EtS tests may be run conveniently with other RTL drug screens*
- *Fast results (48 hours¹ negative, 48-72 hours positive)*



Start testing for EtG/EtS
800-255-2159

or visit: www.redwoodtoxicology.com

FREQUENTLY ASKED QUESTIONS

Complete list of FAQs available online at www.redwoodtoxicology.com**What is Ethyl Glucuronide?**

Ethyl glucuronide (EtG) is a direct metabolite of alcohol (ethanol). Its presence in urine may be used to detect recent ethanol ingestion, even after ethanol is no longer measurable. The presence of EtG in urine is an indicator that ethanol was ingested.

What is Ethyl Sulfate?

In addition to EtG, recent scientific studies have identified ethyl sulfate (EtS) as a second specific metabolite or biomarker of ethanol. For this reason, RTL tests and reports EtS, in conjunction with EtG, to confirm recent ethanol ingestion or exposure. The detection of EtG and EtS offers greater sensitivity and accuracy for determination of recent ethanol ingestion, than by detection of either biomarker alone.

How long can EtG/EtS be detected in urine?

Traditional laboratory methods detect the actual alcohol in the body, which reflects current use within the past few hours (depending on how much is ingested). The presence of EtG/EtS in urine indicates that ethanol was ingested within the previous 3 to 4 days, or approximately 80 hours after ethanol has been ingested. Therefore, EtG/EtS is a more accurate indicator of the recent ingestion of ethanol than measuring for the presence of ethanol itself.

How accurate and reliable is the EtG/EtS test?

EtG/EtS are direct metabolites of alcohol (ethanol), and their detection in urine is highly specific, similar to testing for other drugs. Add to this, RTL utilizes the most sophisticated, sensitive, and specific equipment and technology available. After initial screening for suspect positives, we quantitatively confirm EtG and EtS by LC/MS/MS (liquid chromatography/tandem mass spectrometry). This combination of three separate methods provides highly accurate alcohol biomarker test results. As is the case with any laboratory test, it is also very important to obtain clinical correlation.

Can residual EtG/EtS be detected in the urine of long-term alcoholics who abstain?

Studies indicate that alcoholics in abstinence have no detectable levels of EtG/EtS in their urine after approximately 80 hours of detoxification.

What about urine alcohol produced by fermentation?

EtG/EtS is only detected in urine when ethanol is ingested. This is important since it is possible to have ethanol in urine without drinking. Ethanol in urine without drinking is due to the production of ethanol *in vitro*. Ethanol *in vitro* is spontaneously produced in the bladder or the specimen container itself, due to fermentation of urine samples containing sugars (diabetes) and yeast or bacteria. Since the ethanol produced is not metabolized by the liver, EtG/EtS will not be produced and will therefore not be detected in a urine containing ethanol as a result of fermentation.

Why do EtG cut-off values vary at different labs?

Various cut-off levels (100, 250, 500, or 1000 ng/mL) are suggested for use in EtG testing. Any EtG level over 100 ng/mL and EtS level over 25 ng/mL indicates exposure to ethanol. In order to provide alcohol abstinence programs with the most clinically relevant answer to whether or

not recent ethanol ingestion has occurred, using a 100 ng/mL cut-off for EtG and a 25 ng/mL cut-off for EtS detection is the best and most definitive test available to answer this question. RTL uses a 100 ng/mL EtG cut-off level and a 25 ng/mL EtS cut-off level.

What does a positive EtG test above 100 ng/mL and an EtS above 25 ng/mL mean?

A positive EtG test above 100 ng/mL and an EtS above 25 ng/mL indicates recent ethanol ingestion. The only way you can have EtG/EtS in the urine is if ethanol is in your body. In addition, using a 100/25 ng/mL cut-off nearly doubles the time of detection of recent ethanol detection versus the use of a 250 ng/mL EtG cut-off. In summary, the 100/25 ng/mL EtG/EtS cut-off is superior for monitoring purposes, and provides the most sensitive and definitive indicator of recent ethanol ingestion.

EtG Cut-off	Abuse Episodes Detected
1000 ng/mL	~80 – 90%
500 ng/mL	~90%
250 ng/mL	~98%
100 ng/mL	~99%

Will the use of incidental alcohol, such as mouthwash and Over-the-Counter (OTC) cough syrups trigger a positive result?

Tests show that "incidental exposure" to the chronic use of food products (vanilla extract), hygiene products, mouthwash, or OTC medications (cough syrups), which contain ethanol, can produce EtG concentrations in excess of 100 ng/mL. However, if measurable ethanol is detected (>.04 gm %) in the urine, and EtG is detected in excess of 100 ng/mL and EtS is also detected in excess of 25 ng/mL, then this is very strong evidence that beverage alcohol was ingested.

Most alcohol abstinence programs require an agreement to avoid all products containing alcohol, including: mouthwash, Nyquil®, OTC medications, etc. Consumption of these products could produce a positive test for alcohol and/or EtG/EtS and would thus violate the agreement.



1. Excludes specimens received Saturday

SYNTHETIC CANNABINOID URINE TEST

Are they abusing "synthetic marijuana"?

With a 99.9% positive rate, designer drug
K2 has been proven to be an essential tool for a
variety of toxic treatment and criminal justice
purposes. We'll find out.

We can confidently say we're at the forefront of researching and identifying synthetic cannabinoids. Redwood Toxicology Laboratory was the first lab in the world to develop a urine-based metabolite test and oral fluid parent drug test for "synthetic marijuana."

Synthetic cannabinoid compounds, found to be 4 to 100 times stronger than marijuana, are deceptively marketed as incense or herbal smoke products and sold under names such as K2, K3 Legal, Spice, Syn, Haze, Cloud Nine and many others.

On March 1, 2011, the possession and distribution of 5 synthetic cannabinoid compounds became illegal in the United States per an emergency ban by the U.S. Drug Enforcement Administration (DEA). This makes expanding drug tests to cover synthetic cannabinoids compounds more vital than ever.

FEATURES AND BENEFITS

- *First to develop reliable test methods, we offer considerable expertise and a strong reputation for scientific innovation*
- *Accurately identifies JWH-018, JWH-073, JWH-081, JWH-250, AM-2201, RCS-4 and their metabolites*
- *Detects 2 federally banned yet prevalent drugs, also detects 4 emerging "legal high" drugs*
- *Performed on advanced QTrap LC/MS/MS equipment; providing definitive biomarker test results*
- *Average window of detection is 72 hours following a single low dose; in case of chronic use the window is much longer*

Start testing synthetic cannabinoids

800-255-2159

or visit: www.redwoodtoxicology.com

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SYNTHETIC CANNABINOID URINE TEST

Complete list of cutoffs and test methods available online at www.redwoodtoxicology.com

Panel 6473: Urine Synthetic Cannabinoid Test—Detects 6 drug compounds

JWH-018

(1-pentyl-1H-indol-3-yl)-1-naphthalenyl-methanone

JWH-073

(1-butyl-1H-indol-3-yl)-1-naphthalenyl-methanone

JWH-250 *NEW!*

1-(1-pentyl-1H-indol-3-yl)-2-(2-methoxyphenyl)-ethanone

JWH-081 *NEW!*

(4-methoxy-1-naphthalenyl)(1-pentyl-1H-indol-3-yl)-methanone

AM-2201 *NEW!*

[1-(5-fluoropentyl)-1H-indol-3-yl]-1-naphthalenyl-methanone

RCS-4 *NEW!*

(4-methoxyphenyl)(1-pentyl-1H-indol-3-yl)-methanone

Also available: Oral Fluid Synthetic Cannabinoid Test (Panel F25)—Detects JWH-018, JWH-073, JWH-250, JWH-210, JWH-081, RCS-4 and AM-2201

FREQUENTLY ASKED QUESTIONS

Complete list of FAQs available online at www.redwoodtoxicology.com**What are synthetic cannabinoids?**

Synthetic cannabinoids are chemical compounds that mimic the effect of THC, the principle active ingredient of cannabis. Like THC, they bind to cannabinoid receptors in the brain and were initially developed as therapeutic agents for the treatment of pain. However, these psychoactive research chemicals are frequently being sprayed on herbal mixtures and sold as "fake weed" or "synthetic marijuana." Initially, JWH-018 and JWH-073 were the two most common synthetic cannabinoid chemicals found in a variety of herbal smoking blends. Others like JWH-250, JWH-210, JWH-081, AM-2201 and RCS-4 have started appearing in newer synthetic cannabinoid products and preparations.

How are synthetic cannabinoids being used?

Herbal smoking products laced with synthetic cannabinoid chemicals are readily available via the internet and in many head shops around the country. These products are sold as incense under names like K2, K3 Legal, Spice, Syn, Haze, Cloud Nine and many others. Users looking for a marijuana-like high often turn to these herbal smoking or incense products because they do not show up on a standard urine drug test.

The product is usually smoked by wrapping it in joints, smoking it in pipes, or inhaling fumes via vaporizers. Users also report that herbal blends or pure chemical concoctions can be ingested with an infusion or solvent process; purportedly allowing them to manage the potency and dose of the active ingredient(s).

What are the effects of using synthetic cannabinoids?

JWH-018, JWH-073, JWH-250, JWH-081, JWH-210, AM-2201, RCS-4 and other similar chemicals are the primary synthetic cannabinoid receptor agonists responsible for the euphoric and psychoactive effects that imitate marijuana.

These synthetic cannabinoids do not contain cannabis but when smoked produce effects similar to marijuana. Some of these synthetic cannabinoid chemicals are 4 to 100 times stronger in potency to marijuana. There have been many reports about the adverse effects including agitation, rapid heart rate, confusion, dizziness and nausea. According to the American Association of Poison Control Centers, the number of human exposure calls relating to synthetic cannabinoids increased 139% between 2010 and 2011.

What herbal incense brand names are being used?

Users looking for a marijuana-like high often turn to popular herbal smoking products marketed under brand names such as K2, K3 Legal, Spice, Syn, Haze, Cloud Nine, Mr. Myagi Zero, Tyranny Green, Warped, Dragon Spice, Triple Diamond, Dream Smoke, Genie, Smoke, Pot-pourri, Buzz, Pulse, Hush, Mystery, Earthquake, Ocean Blue, Stinger, Serenity and many others. RTL maintains a composition list for different products, brands and preparations. View the list on our website at: www.redwoodtoxicology.com (list updated periodically).

The Food and Drug Administration (FDA) does not regulate the products, but maintains they are not approved for human consumption. Without proper ingredient labeling or measured potency, users increase the risk of overdosing. To complicate labeling and dose concerns, some reports indicate many popular brands are now counterfeit or fake brands.

What is the legal status of these chemicals?

Under the U.S. Drug Enforcement Administration (DEA) "Emergency Scheduling Authority," 5 synthetic cannabinoid compounds became illegal March 1, 2011. The nationwide temporary ban was extended February 29, 2012 for another six months and restricts the manufacture, purchase and use of synthetic cannabinoids, including JWH-018, JWH-073, JWH-200, CP-47,497 and cannabicyclohexanol. The substances are categorized as Schedule I drugs, a restrictive category reserved for highly abused substances that provide no medical use. However, persistent designer drug chemists attempt to circumvent existing drug laws by developing new products containing compounds with similar chemical structures. Scientific research at RTL has found federally unregulated chemicals, such as: JWH-081, JWH-250, AM-2201, and RCS-4 are gaining prevalence as active ingredients in newer generation synthetic marijuana products.

How long can synthetic cannabinoids be detected in urine?

Following a single low dose exposure, synthetic cannabinoids can be detected up to 72 hours in human urine. In case of chronic exposure the window of detection is much longer.

What are the urine cutoff levels?

There are no cut-off levels for RTL's Urine Synthetic Cannabinoid Test. Toxicology result reporting will indicate either "Detected" or "Not Detected."



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DESIGNER STIMULANT URINE TEST

Are they abusing
designer stimulants?



EXPANDED BATH SALT DRUG TEST TO COVER 23 COMPOUNDS

Synthetic stimulants are produced in clandestine labs and sold online or available at smoke shops. Promoted as "bath salts," "research chemicals," or "plant food," product labeling attempts to circumvent regulation by suggesting they are not for human consumption. Additional forms of designer stimulants may be sold as "legal" MDMA (Legal X), or sold and veiled as MDMA tablets.

Young adults in the U.S. and other countries have died from using these products. While synthetic stimulants appear to affect users in ways similar to amphetamines and cocaine, reports concerning aggression, tachycardia, paranoia and suicide suggest that they may be more acutely toxic.

U.S. Poison Control and National Drug Intelligence have all issued health warnings, noting nationwide emergency room visits related to these drugs. On October 2011, the DEA announced an emergency ban on MDPV, Methylone & Mephedrone, making testing for these substances more vital than ever.

FEATURES AND BENEFITS

- Detects many illicitly synthesized forms of stimulants sold online and in head shops nationwide
- Quantitatively identifies active ingredients of many "legal high" products labeled as "bath salt" and "plant food," or sold as "Legal X"
- Choose from two test panels: expanded designer stimulant panel or the DEA banned panel covering MDPV, Methylone and Mephedrone
- Presence of parent drug and/or metabolites in urine confirms ingestion; average detection window up to 24-72 hours
- Performed on GC/MS and/or LC/MS/MS equipment; providing definitive synthetic stimulant biomarker test results

Start testing designer stimulants

800-255-2159

or visit: www.redwoodtoxicology.com

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DESIGNER STIMULANT URINE PANELS

Complete list of reagents and test methods available online at: www.redwoodtoxicology.com

Panel P81: Designer Stimulant Panel (MDPV, Methylone & Mephedrone) - Detects 3 DEA banned synthetic stimulants

MDPV

(Methylenedioxypropylvalerone, Cloud 9, Ivory Wave, White Lightning)

Methylone

(3,4-methylenedioxy-N-methylcathinone, bk-MDMA, MDMC, "M1")

Mephedrone

(4-methylmethcathinone [4-MMC], 4-methylmephedrone, "Meph", "MCat")

Panel P80: Expanded Designer Stimulants - Detects 21 synthetic stimulants, 7 new drugs recently added

BZP

(Benzylpiperazine)

MBDB

(Methylbenzodioxylbutanamine, Methyl-J, "Eden")

Methcathinone

(α -methylamino-propiophenone, may be confused with mephedrone)

Butylone

(β -keto-N-methylbenzodioxylpropylamine, bk-MBDB)

mCPP

(meta-Chlorophenylpiperazine)

4-Methylethcathinone¹ NEW!

[(RS)-2-ethylamino-1-(4-methylphenyl)propan-1-one, "4-MEC"]

Buphedrone¹ NEW!

(2-(methylamino)-1-phenylbutan-1-one)

MDA

(3,4-Methylenedioxyamphetamine, tenamfetamine)

Methylone

(3,4-methylenedioxy-N-methylcathinone, bk-MDMA, MDMC, "M1")

Cathinone

(Khat or Benzylethanamine)

MDEA

(3,4-Methylenedioxy-N-ethylamphetamine, MDEA, MDE, "Eve")

Pentedrone¹ NEW![(\pm)-1-phenyl-2-(methylamino)pentan-1-one]

Ethylone

(3,4-methylenedioxy-N-ethylcathinone, MDEC, bk-MDEA)

MDPV

(Methylenedioxypropylvalerone, Cloud 9, Ivory Wave, White Lightning)

Pentylone NEW!

[(\pm)-1-(1,3-benzodioxol-5-yl)-2-(methylamino)pentan-1-one]

Eutylone NEW!

[(\pm)-1-(1,3-benzodioxol-5-yl)-2-(ethylamino)butan-1-one]

MDMA

(3,4-Methylenedioxyamphetamine, ecstasy, "E", "X")

 α -pyrrolidinopentiophenone NEW!

[(RS)-1-phenyl-2-(1-pyrrolidinyl)-1-pentanone, PVP]

Flephedrone¹ NEW!

[(RS)-1-(4-fluorophenyl)-2-methylaminopropan-1-one]

Mephedrone

(4-methylmethcathinone [4-MMC], 4-methylmephedrone, "Meph", "MCat")

TFMPP

(3-Trifluoromethylphenylpiperazine, "Legal X")



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comprehensive drug testing

LABORATORY SERVICES



Are they abusing? Target drugs in urine with an all-inclusive lab test. Comprehensive Drug Testing from RTL is ideal for addiction treatment, suspicion/cause workplace issues, pain-patient drug compliance, and healthcare facilities with direct access to controlled substances. We'll find out.

Confidence in testing.

REDWOOD TOXICOLOGY LABORATORY COMPREHENSIVE PANEL

Most people take prescription medications responsibly; however, an estimated 48 million people have used prescription drugs for non-medical reasons. This represents approximately 20% of the U.S. population¹. The liability issue is tremendous and may damage the lives of employees or patients, your facility's reputation, and revenue.

Now your agency has the opportunity to choose a new testing option from RTL, America's premier drug testing lab. The solution is Comprehensive Drug Testing, detecting a wide-range of prescriptions, illicit drugs, and alcohol in urine. RTL screens and confirms the drugs in the comprehensive panel using the "gold standard" in testing—gas chromatography/mass spectrometry (GC/MS).

Features

- Detects over 600 brand name prescription drugs, illicit drugs, and alcohol (specimen validity included)
- Includes expanded list of opiates/narcotics
- High specificity—GC/MS analysis provides confirmative evidence of use
- Highly sensitive—includes quantitative, semi-quantitative, or qualitative test result data
- Qualified scientific team and committed support staff
- Secure and reliable toxicology reporting

Benefits

- Limit workplace liability and employee costs
- Ideal for nursing/physician workplace testing
- Well-suited for treatment admittance and monitoring
- Determines compliance of pain medication patients
- Fast turn-around time from receipt of specimen (48 hours² negative, 72 hours positive)

Call Now: **800-255-2159**

or visit: www.redwoodtoxicology.com/3287

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FREQUENTLY ASKED QUESTIONS

Complete list of FAU's available online at www.redwoodtox.com

Which prescription drugs are abused most often?

A few types of prescription drugs are misused or abused most often:

- **Opiates/Narcotics**—alleviate pain, depress body functions and reactions, and when taken in large doses, cause strong euphoria.
- **Barbiturates/Benzodiazepines**—slow down brain activity, treat anxiety, muscle tension, pain, insomnia, acute stress reactions, panic attacks, and seizure disorders. In higher doses, some CNS depressants may be used as general anesthetics.
- **Antidepressants**—used to treat depression, anxiety and eating disorders. They are known as lifestyle drugs or "mood brighteners". Their side effects are the subject of many recent studies.
- **Stimulants**—increase activity in certain areas of the brain. They are prescribed for attention-deficit hyperactivity disorder (ADHD), the sleep disorder narcolepsy, or obesity.

Each of these pharmacological classes may be divided into sub-groups and includes a variety of drugs, which may or may not be structurally related and differ in their effect and potency.

The Drug Abuse Warning Network (DAWN), which monitors medications and illicit drugs reported in emergency departments across the nation, recently found that two of the most frequently reported prescription medications in drug abuse-related cases are benzodiazepines and opioid pain relievers³.

How accurate and reliable is the Comprehensive Drug Test?
RTL utilizes the most sophisticated, sensitive, and specific equipment and technology available. Confirmations of all presumptive positive samples are performed from a separate urine aliquot. The Comprehensive Drug Test utilizes an optimal method of extraction and GC/MS analysis for each individual drug.

COMPREHENSIVE DRUG TEST

Prescription brand names covered and cut-off levels by mail/online available at www.redwoodtox.com

Alcohol (EtOH)				
Antidepressants				
Amitriptyline	Bupropion	Citalopram	Desipramine	Doxepin
Escitalopram	Fluoxetine	Imipramine	Maprotiline	Paroxetine
Sertraline	Trazodone/Nefazodone	Venlafaxine		
Anticonvulsants				
Carbamazepine	Oxcarbazepine			
Barbiturates				
Amobarbital	Butabarbital	Butalbital	Pentobarbital	Phenobarbital
Secobarbital				
Benzodiazepines				
Alprazolam	Clonazepam	Flunitrazepam	Flurazepam	Lorazepam
Midazolam	Nordiazepam	Oxazepam	Temazepam	Triazolam
Opioids/Narcotics				
Buprenorphine	Butorphanol	Codeine	Fentanyl	Hydrocodone
Hydromorphone	Ketamine	Meprobamate	Methadone	Morphine
Nalbuphine	Oxycodone	Oxymorphone	Pentazocine	Propoxyphene
Tremadol				
Phencyclidine (PCP)				
Sedatives/Hypnotics				
Carisoprodol	Meprobamate	Zolpidem		
Stimulants				
Amphetamine	Cocaine	Methamphetamine	Methylenedioxyamphetamine (MDA)	Methylenedioxymethamphetamine (MDMA)
Methylenedioxyethylamphetamine (MDEA)	Methylphenidate			

1. Nora D. Volkow, M.D., Director, National Institute on Drug Abuse, "Prescription Drugs—Abuse and Addiction".
2. Excludes specimens received Saturday.
3. Trends in prescription drug abuse, "Prescription Drugs—Abuse and Addiction", NIDA Research Report, 2005.

Includes specimen validity (Creatinine). List updated periodically.

drugs of abuse test-urine // drugs of abuse test-saliva // comprehensive drug test // etg/ets alcohol test // steroid/sports drug testing // ghb test // hcg test



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11 000 3287 REV6

Are they abusing?

Rely on lab-based oral fluid drug testing for non-invasive collections and dependable recent use detection. *We'll find out.*

Oral Fluid Collection Device
Eliminate insufficient collections with the Quantisal volume adequacy indicator.

ORAL FLUID TEST EXPANDED TO COVER ALCOHOL, OXYCODONE, AND 12 BENZODIAZEPINES.

Redwood Toxicology Laboratory's oral fluid test is gaining popularity with many organizations that require convenient, gender-neutral specimen collection combined with the accuracy of lab testing. Oral fluid lab-based drug testing is ideal for a variety of industries, particularly criminal justice and addiction treatment situations where recent use detection and ease of use are vital.

Our testing procedures are scientifically accepted and approved by the U.S. Department of Health and Human Services (CMS/CLIA). The lab utilizes the most sophisticated, sensitive and specific equipment and technology available, gas chromatography/mass spectrometry (GC/MS) and liquid chromatography/tandem mass spectrometry (LC/MS/MS), to confirm and quantitate drugs in oral fluid.

As with all of our testing options, full customer support is provided to help you get up and running quickly. Turn to Redwood Toxicology Laboratory for confidence in testing—we'll find out.

FEATURES AND BENEFITS

- *Highly customizable test panel options covering a range of licit and illicit drugs*
- *Non-invasive, gender-neutral collections with no exposure to specimen*
- *Excellent indication of recent drug use*
- *Protection against sample adulteration and tampering*
- *Collection device provides better THC recovery and stability; volume indicator guarantees sufficient collections (99% accuracy)*
- *Fast turn-around time from receipt of specimen (48 hours² negative, 72 hours positive)*

Start testing with oral fluid

800-255-2159

or visit: www.redwoodtoxicology.com

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ORAL FLUID DRUG TESTING INFORMATION

Complete list of cutoffs and test methods available online at redwoodtoxicology.com

Gain the confidence and convenience you need from this oral fluid drug testing solution.

Drug Tested <small>Confirmed by GC/MS unless indicated</small>	Detection Time ¹
Alcohol ²	After absorption (~1 hour) blood alcohol decreases ~.02 gm%/hour
Amphetamine	From minutes up to 48 hours
Barbiturates	From minutes up to 48 hours
Benzodiazepines ³ - Alprazolam, Chlordiazepoxide, Clonazepam, Diazepam, Flunitrazepam, Flurazepam, Lorazepam, Midazolam, Nordiazepam, Oxazepam, Temazepam, Triazolam	From minutes up to 48 hours
Cocaine Metabolite (Benzoyllecgonine)	From minutes up to 48 hours
Methadone	From minutes up to 48 hours
Methamphetamine	From minutes up to 48 hours
Opiates - Codeine, Hydrocodone, Hydromorphone, Morphine - 6-monoacetylmorphine	From minutes up to 48 hours
Oxycodone	From minutes up to 48 hours
Phencyclidine	From minutes up to 48 hours
THC (Cannabinoids)	From minutes up to 48 hours

FREQUENTLY ASKED QUESTIONS

Complete list of FAQs available online at redwoodtoxicology.com**Why should I implement the oral fluid testing at my facility?**

Not only does oral fluid testing save your agency time and money in collection fees, it offers the convenience of testing for drugs of abuse anywhere, at any time.

What are the testing and confirmation methodologies?

Specimens collected with the oral fluid collection device are sent to RTL for screening by enzyme immunoassay (EIA) or enzyme-linked immunosorbent assay (ELISA). Positive screens are confirmed by gas chromatography/mass spectrometry (GC/MS)⁴ - or by liquid chromatography/tandem mass spectrometry (LC/MS/MS). The analytical methods used by RTL for the detection of drugs of abuse are scientifically accepted and approved by the U.S. Department of Health and Human Services (CMS/CLIA).

I suspect that my donor just used a substance of abuse, how long should I wait before collecting the specimen?

Depending on the drug and dosage, drugs may be detected in oral fluid in as little as a few minutes or up to approximately 2 hours from the time of use.

How do I collect the oral fluid specimen?

Instructions for use are included with your first order of oral fluid collection devices. Please read these instructions carefully. RTL offers telephonic support and web-based training materials. If you have questions, please visit our website: redwoodtoxicology.com or call (800) 255-2159.

Can I ship my oral fluid specimens with my urine specimens?

RTL will accept both oral fluid and urine specimens in the same lab pack when sending five or more specimens (e.g. three oral fluid specimens and two urine specimens). The specimens cannot, however, be mixed in the postage-paid mailer boxes due to U.S. Postal Service regulations.

1. Moore C, Rana S, Coulter C, Day D, Vincent M, Soares J. Detection of conjugated 11-nor-Delta9-tetrahydrocannabinol-9-carboxylic acid in oral fluid. *J Anal Toxicol* 2007;31: 187-194.
2. Excludes specimens received Saturday.
3. Positive on methadone panels are confirmed by GC/MS upon request for an additional fee.
4. Average detection time. Chronic exposure may lead to longer detection times.
5. Alcohol confirmed by Gas Chromatography Flame Ionization Detector (GC-FID).
6. Benzodiazepines confirmed by liquid chromatography/tandem mass spectrometry (LC/MS/MS).



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**Pricing Schedule
Missouri Department of Corrections
ITB No. B1E14013**

Contact: Alene Seward, Bid Analyst bids@redwoodtoxicology.com

Section I: Laboratory Drug & Alcohol Testing Services - Urine

Items highlighted in green match those requested in this ITB

Urine Lab Tests - Standard Drugs

TEST CODE	DRUG(S)	DESCRIPTION	PRICE PER SPECIMEN
Varies	1	One Drug Standard Lab Panel (Price per drug when added to a standard lab panel. *This does not include GC/MS confirmation.) <i>Standard drugs include: Alcohol (Ethanol), Amphetamines/Methamphetamines, Barbiturates, Benzodiazepines, Cocaine, Ecstasy (MDMA), Marijuana (THC), Methadone, Opiates, PCP, Propoxyphene.</i>	\$ 1.00
Varies	4	Four Drug Standard Lab Panel	\$ 3.25
Varies	5	Five Drug Standard Lab Panel	\$ 3.25
Varies	6	Six Drug Standard Lab Panel	\$ 4.00
Varies	7	Seven Drug Standard Lab Panel	\$ 4.25
Varies	8	Eight Drug Standard Lab Panel	\$ 3.75
Varies	9	Nine Drug Standard Lab Panel	\$ 4.75
Varies	10	Ten Drug Standard Lab Panel	\$ 4.25
H58/H59	11	Eleven Drug Standard Lab Panel with Oxycodone	\$ 6.00
5XXX Code	1	GC/MS or LC/MS/MS Confirmation - cost per drug	\$ 9.00
P69	1	Adulteration	\$ 1.00
O69	1	Creatinine Level	\$ -
330	1	pH - Adulterant Check	\$ 0.50
331	1	Specific Gravity - Adulterant Check	\$ 0.50

Urine Lab Tests - Specialty Drugs

TEST CODE	DRUG(S)	DESCRIPTION	PRICE PER SPECIMEN
647	1	Ethyl Glucuronide/Ethyl Sulfate (EtG/EtS) Alcohol metabolite - Screened by EIA and confirmed by LC/MS/MS	\$ 13.00
647	1	Ethyl Glucuronide (EtG) - Screen Only	\$ 9.00
098	1	Oxycodone (Screen Only) <i>Note: The Standard Lab Test will also pick up Oxycodone under the Opiates class, but at a higher cut-off level.</i>	\$ 5.00
5098	1	Oxycodone (LC/MS/MS Confirmation Only)	\$ 10.50
092	1	Buprenorphine (BUP) (Screen Only)	\$ 5.00
5292	1	Buprenorphine (BUP) (Confirmation Only)	\$ 30.00
045	1	Ecstasy (MDMA) Test (Screen Only)	\$ 3.50
5845	1	Ecstasy (MDMA) Test (Confirmation Only)	\$ 10.50
6473	19	Synthetic Marijuana (K2/Spice)	\$ 20.00
P80	21	Designer Stimulants (Bath Salts) - Expanded Panel	\$ 35.00
P81	3	Designer Stimulants (Bath Salts) - Short Panel (MDPV, Mephedrone, Methylene)	\$ 25.00
094	1	Heroin metabolite (6-MAM) (Screen Only)	\$ 3.50
5094	1	Heroin metabolite (6-MAM) (Confirmation Only)	\$ 10.50
5271	1	SOMA	\$ 8.00
3243	1	Dextromethorphan (DXM)	\$ 8.00
5102	1	PCP (Confirmation Only)	\$ 10.50
5501	1	Ketamine (GC/MS Test)	\$ 10.50
5504	1	Fentanyl (GC/MS Test)	\$ 45.00
5503	1	GHB (GC/MS Test)	\$ 45.00
1163	1	LSD (ELISA Screen Only)	\$ 7.50
P40	Multi	Comprehensive Panel (Confirmation for additional fee of \$20.00 per drug)	\$ 50.00
1273	1	Cotinine (Nicotine metabolite) (Screen Only)	\$ 6.75
5550	Multi	Steroid Testing	\$ 45.00
5210	1	Ambien (Zolpidem) (LC/MS/MS Test)	\$ 25.00
SP17	1	Nurse's Panel	\$ 26.00

Initial screening of RTL's standard laboratory tests is performed by enzyme immunoassay (EIA). Confirmation is performed by a secondary method, including: gas chromatography (GC), gas chromatography/mass spectrometry (GC/MS), and/or liquid chromatography/tandem mass spectrometry (LC/MS/MS), depending on drug class. GC/MS confirmation on all positives is available upon request for an additional fee.

**Pricing Schedule
Missouri Department of Corrections
ITB No. 81E14013**

Section II: Laboratory Drug & Alcohol Testing Services - Oral Fluids

Items highlighted in green match those requested in this ITB

Oral Fluid Lab Tests

TEST CODE	DRUG(S)	DESCRIPTION	PRICE PER SPECIMEN
2101001	N/A	RTL-Oral Collection Device	\$ 1.90
Varies	1	Buprenorphine - add to a screen only panel	\$ 1.00
Varies	1	Buprenorphine - add to an automatic confirmation panel	\$ 1.50
F25	19	Synthetic Cannabinoids (K2/Spice)	\$ 25.00
Varies	1	RTL-Oral GC/MS Confirmation cost per drug	\$ 9.00
Varies	6	RTL-Oral Standard 6 (Screen Only)	\$ 7.00
Varies	7	RTL-Oral Standard 7 (Screen Only)	\$ 7.75
Varies	8	RTL-Oral Standard 8 (Screen Only)	\$ 6.00
Varies	9	RTL-Oral Standard 9 (Screen Only)	\$ 9.25
Varies	10	RTL-Oral Standard 10 (Screen Only)	\$ 10.00
Varies	11	RTL-Oral Standard 11 (Screen Only)	\$ 10.75
Varies	6	RTL-Oral Standard 6 (Automatic Confirmation)	\$ 9.00
Varies	7	RTL-Oral Standard 7 (Automatic Confirmation)	\$ 13.00
Varies	8	RTL-Oral Standard 8 (Automatic Confirmation)	\$ 13.70
Varies	9	RTL-Oral Standard 9 (Automatic Confirmation)	\$ 14.45
Varies	10	RTL-Oral Standard 10 (Automatic Confirmation)	\$ 15.00
Varies	11	RTL-Oral Standard 11 (Automatic Confirmation)	\$ 15.95

Standard drugs include: Alcohol (Ethanol), Amphetamines, Barbiturates, Benzodiazepines, Cocaine, Marijuana (THC), Methadone, Methamphetamines, Opiates, Oxycodone, PCP.

Collection & Shipping Supplies

RTL provides all necessary urine specimen collection and shipping supplies to its clients at no additional cost. For urine testing, these supplies include:

- Urine specimen collection containers: Depending on the agency's needs, RTL can supply any of the following collection containers: 60 mL or 90mL bottles with lids and built-in temperature strips.
- Specimen baggies with absorbent material
- Preprinted Chain of Custody forms/labels & security seals
- Pre-paid FedEx or UPS lab packs or pre-paid U.S. mailer boxes.

Lab Supply Shipping and Handling: Outbound lab supply orders will be shipped at no charge for ground service delivery. Expedited shipping of supplies will be charged on an 'at cost' basis. FOB Destination Point.

Specimen Shipment to RTL: Next day air service of Inbound specimens sent to RTL for testing is provided at no charge when five (5) or more urine and/or oral fluids specimens are sent in each FedEx overnight shipment. Any combination of urine and/or oral fluids devices may be shipped together via FedEx overnight service. Fewer than five (5) specimens sent to the lab by next day air service will be assessed a seven dollar (\$7.00) charge per shipment.

**Pricing Schedule
Missouri Department of Corrections
ITB No. 81E14013**

Section III: On-Site Drug & Alcohol Screening Devices

Items highlighted in green match those requested in this ITB

PANEL-DIP SUBSTANCE ABUSE TEST DEVICE

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 0018	1	PANEL DIP 01 AMPHETAMINES 1000 (AMP 1000)	\$0.31	\$7.75
01 102 0019	1	PANEL DIP 01 BARBITURATES 300 (BAR)	\$0.31	\$7.75
01 102 0022	1	PANEL DIP 01 BENZODIAZEPINES 300 (BZO)	\$0.31	\$7.75
01 102 0189	1	PANEL DIP 01 COCAINE 150 (COC 150)	\$0.31	\$7.75
01 102 0001	1	PANEL DIP 01 COCAINE 300 (COC 300)	\$0.31	\$7.75
01 102 0036	1	PANEL DIP 01 ECSTASY 500 (MDMA)	\$0.31	\$7.75
01 102 0004	1	PANEL DIP 01 MARIJUANA 50 (THC)	\$0.31	\$7.75
01 102 0020	1	PANEL DIP 01 METHADONE 300 (MTD)	\$0.31	\$7.75
01 102 0190	1	PANEL DIP 01 METHAMPHETAMINES 500 (MAMP 500)	\$0.31	\$7.75
01 102 0002	1	PANEL DIP 01 METHAMPHETAMINES 1000 (MAMP 1000)	\$0.31	\$7.75
01 102 0003	1	PANEL DIP 01 OPIATES 300 (MOP 300)	\$0.31	\$7.75
01 102 1977	1	PANEL DIP 01 OPIATES 2000 (OPI 2000)	\$0.31	\$7.75
01 102 0037	1	PANEL DIP 01 OXYCODONE 100 (OXY)	\$0.31	\$7.75
01 102 0021	1	PANEL DIP 01 PHENCYCLIDINE 20 (PCP)	\$0.31	\$7.75
01 102 1971	1	PANEL DIP 01 PROPOXYPHENE 300 (PPX)	\$0.31	\$7.75
01 102 0023	1	PANEL DIP 01 TRICYCLIC ANTIDEPRESSANTS 1000 (TCA)	\$0.31	\$7.75
01 102 0173	1	PANEL DIP 01 BUPRENORPHINE 10 (BUP)	\$0.80	\$20.00
01 191 6335	1	PANEL DIP 01 K2 SPICE 30 - For Forensic Use Only	\$2.90	\$72.50
01 102 0005	2	PANEL DIP 02 COC300/MOP300	\$0.67	\$16.75
01 102 0006	2	PANEL DIP 02 COC300/THC	\$0.67	\$16.75
01 102 0007	2	PANEL DIP 02 COC300/MAMP1000	\$0.67	\$16.75
01 102 0008	2	PANEL DIP 02 MAMP1000/THC	\$0.67	\$16.75
01 102 0030	2	PANEL DIP 02 MAMP1000/MOP300	\$0.67	\$16.75
01 102 0191	2	PANEL DIP 02 COC150/THC	\$0.67	\$16.75
01 102 0192	2	PANEL DIP 02 MAMP500/THC	\$0.67	\$16.75
01 102 0009	3	PANEL DIP 03 COC300/MAMP1000/THC	\$0.86	\$21.50
01 102 0010	3	PANEL DIP 03 COC300/MOP300/THC	\$0.86	\$21.50
01 102 0011	3	PANEL DIP 03 MAMP1000/MOP300/THC	\$0.86	\$21.50
01 102 0014	3	PANEL DIP 03 COC300/MAMP1000/MOP300	\$0.86	\$21.50
01 102 0193	3	PANEL DIP 03 COC150/MAMP500/THC	\$0.86	\$21.50
01 102 0194	3	PANEL DIP 03 COC150/MOP300/THC	\$0.86	\$21.50
01 102 0012	4	PANEL DIP 04 COC300/MAMP1000/MOP300/THC	\$1.10	\$27.50
01 102 0032	4	PANEL DIP 04 AMP1000/COC300/MOP300/THC	\$1.10	\$27.50
01 102 0195	4	PANEL DIP 04 COC150/MAMP500/MOP300/THC	\$1.10	\$27.50
01 102 0199	4	PANEL DIP 04 AMP1000/COC150/MOP300/THC	\$1.10	\$27.50
01 102 0013	5	PANEL DIP 05 COC300/MAMP1000/MOP300/PCP/THC	\$1.34	\$33.50
01 102 0015	5	PANEL DIP 05 BZO/COC300/MAMP1000/MOP300/THC	\$1.34	\$33.50
01 102 0033	5	PANEL DIP 05 AMP1000/COC300/MOP300/PCP/THC	\$1.34	\$33.50
01 102 0034	5	PANEL DIP 05 AMP1000/COC300/MAMP1000/MOP300/THC	\$1.34	\$33.50
01 102 0047	5	PANEL DIP 05 AMP1000/COC300/OPI2000/PCP/THC	\$1.34	\$33.50
01 102 0201	5	PANEL DIP 05 AMP1000/COC150/MAMP500/MOP300/THC	\$1.34	\$33.50
01 102 0196	5	PANEL DIP 05 COC150/MAMP500/MOP300/PCP/THC	\$1.34	\$33.50
01 102 0200	5	PANEL DIP 05 AMP1000/COC150/MOP300/PCP/THC	\$1.34	\$33.50

**Pricing Schedule
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Section III: On-Site Drug & Alcohol Screening Devices

Items highlighted in green match those requested in this ITB
PANEL-DIP SUBSTANCE ABUSE TEST DEVICE (CONTINUED)

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 0016	6	PANEL DIP 06 BZO/COC300/MAMP1000/MOP300/PCP/THC	\$1.62	\$40.50
01 102 0017	6	PANEL DIP 06 BZO/COC300/MAMP1000/MTD/MOP300/THC	\$1.62	\$40.50
01 102 0024	6	PANEL DIP 06 BAR/BZO/COC300/MAMP1000/MOP300/THC	\$1.62	\$40.50
01 102 0119	6	PANEL DIP 06 BZO/COC300/MAMP1000/MOP300/OXY/THC	\$1.62	\$40.50
01 102 0175	6	PANEL DIP 06 BZO/COC150/MAMP500/MDMA/MOP300/THC	\$1.62	\$40.50
01 102 0202	6	PANEL DIP 06 BZO/COC150/MAMP500/MOP300/OXY/THC	\$1.62	\$40.50
01 102 0203	6	PANEL DIP 06 AMP1000/BZO/COC150/MAMP500/MOP300/THC	\$1.62	\$40.50
01 102 0035	7	PANEL DIP 07 AMP1000/BZO/COC150/MOP300/PCP/TCA/THC	\$2.00	\$50.00
01 102 0176	7	PANEL DIP 07 BZO/COC150/MAMP500/MDMA/MOP300/OXY/THC	\$2.00	\$50.00
01 102 0177	7	PANEL DIP 07 AMP1000/COC150/MAMP500/MDMA/MOP300/OXY/THC	\$2.00	\$50.00
01 102 0169	8	PANEL DIP 08 AMP1000/BZO/COC300/MAMP1000/MDMA/MOP300/OXY/THC	\$2.14	\$53.50
01 102 0179	8	PANEL DIP 08 AMP1000/BZO/COC300/MAMP1000/MOP300/OXY/PCP/THC	\$2.14	\$53.50
01 102 1989	8	PANEL DIP 08 AMP300/COC150/MAMP500/MOP300/PCP/PPX/OXY/THC	\$2.14	\$53.50
01 102 1970	9	PANEL DIP 09 AMP1000/BAR/BZO/COC300/MAMP1000/MTD/OPI2000/PCP/THC	\$2.40	\$60.00
01 102 0180	9	PANEL DIP 09 AMP1000/BUP/BZO/COC300/MAMP1000/MOP300/OXY/PCP/THC	\$2.40	\$60.00
01 102 0181	9	PANEL DIP 09 AMP300/BZO/COC150/MAMP500/MDMA/MOP300/OXY/PCP/THC	\$2.40	\$60.00
01 102 0025	10	PANEL DIP 10 AMP1000/BAR/BZO/COC300/MAMP1000/MTD/MOP300/PCP/TCA/THC	\$2.66	\$66.50
01 102 0138	10	PANEL DIP 10 COC300/BAR/BZO/MAMP1000/MDMA/MOP300/MTD/OXY/PCP/THC	\$2.66	\$66.50
01 102 0182	10	PANEL DIP 10 AMP1000/BAR/BUP/BZO/COC300/MAMP1000/MOP300/MTD/OXY/THC	\$2.66	\$66.50
01 102 0183	10	PANEL DIP 10 BAR/BZO/COC150/MAMP500/MDMA/MOP300/MTD/OXY/PCP/THC	\$2.66	\$66.50
01 102 1943	10	PANEL DIP 10 AMP1000/BAR/BZO/COC300/MAMP1000/OPI2000/PCP/MTD/MDMA/THC	\$2.66	\$66.50
01 102 0184	11	PANEL DIP 11 AMP1000/BAR/BUP/BZO/COC300/MAMP1000/MOP300/MTD/PCP/OXY/THC	\$3.25	\$81.25
01 102 0185	11	PANEL DIP 11 AMP1000/BAR/BUP/BZO/COC300/OPI2000/MAMP1000/MTD/OXY/PCP/THC	\$3.25	\$81.25
01 102 0186	11	PANEL DIP 11 AMP1000/BAR/BUP/BZO/COC300/MAMP1000/MOP300/MTD/PPX/OXY/THC	\$3.25	\$81.25
01 102 0187	11	PANEL DIP 11 AMP300/BAR/BZO/COC150/MAMP500/MDMA/MOP300/MTD/OXY/PCP/THC	\$3.25	\$81.25
01 102 0141	12	PANEL DIP 12 AMP1000/BAR/BZO/COC300/MAMP1000/MDMA/MOP300/MTD/OXY/PCP/PPX/THC	\$3.35	\$83.75
01 102 0188	12	PANEL DIP 12 AMP1000/BAR/BUP/BZO/COC300/MAMP1000/MDMA/MOP300/MTD/OXY/PCP/THC	\$3.35	\$83.75
01 102 1957	12	PANEL DIP 12 AMP1000/BAR/BZO/COC300/MAMP1000/MDMA/OPI2000/MTD/OXY/PCP/PPX/THC	\$3.35	\$83.75

**Pricing Schedule
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Section III: On-Site Drug & Alcohol Screening Devices

Items highlighted in green match those requested in this ITB
ICUP SUBSTANCE ABUSE TEST DEVICE – without adulteration

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 2020	10	ICup 10 AMP1000/BAR/BZO/COC300/MAMP1000/MDMA/OPI2000/OXY/PPX/THC	\$3.20	\$80.00
01 102 2055	10	ICup 10 AMP1000/BAR/BZO/COC300/MAMP/MTD/OPI2000/PCP/TCA/THC	\$3.20	\$80.00
01 102 2028	13	ICup 13 AMP1000/BAR/8UP/BZO/COC300/MAMP/MTD/OPI2000/OXY/PCP/PPX/ TCA/THC	\$5.00	\$125.00

ICUP A.D. SUBSTANCE ABUSE TEST DEVICE – with adulteration

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 2032	4	ICup A.D. 04 COC300/MAMP1000/OPI2000/THC w/adulteration (OX, SG, PH)	\$2.16	\$54.00
01 102 2033	4	ICup A.D. 04 AMP1000/COC150/MAMP500/THC w/adulteration (OX, CR, PH)	\$2.16	\$54.00
01 102 2021	5	ICup A.D. 5 AMP1000/COC300/MAMP1000/MOP300/THC w/adulteration (OX, SG, PH)	\$2.25	\$56.25
01 102 2034	5	ICup A.D. 5 AMP1000/COC300/MAMP1000/OPI2000/THC w/adulteration (OX, SG, PH)	\$2.25	\$56.25
01 102 2035	5	ICup A.D. 5 AMP1000/COC300/OPI2000/PCP/THC w/adulteration (OX, SG, PH)	\$2.25	\$56.25
01 102 2036	5	ICup A.D. 5 COC300/MAMP1000/OPI2000/PCP/THC w/adulteration (OX, SG, PH)	\$2.25	\$56.25
01 102 2022	6	ICup A.D. 6 AMP1000/BZO/COC300/MAMP1000/OPI2000/THC w/adulteration (OX, SG, PH)	\$2.48	\$62.00
01 102 2023	6	ICup A.D. 6 AMP1000/COC/MAMP1000/OPI2000/PCP/THC w/adulteration (OX, SG, PH)	\$2.48	\$62.00
01 102 2037	6	ICup A.D. 06 AMP300/COC300/MDMA/OPI2000/OXY/THC w/adulteration (OX, SG, PH)	\$2.48	\$62.00
01 102 2038	8	ICup A.D. 08 AMP1000/BAR/BZO/COC300/MAMP1000/OPI2000/PCP/THC w/adulteration (OX, SG, PH)	\$2.88	\$72.00
01 102 2069	8	ICup A.D. 08 AMP1000/BZO/COC300/MAMP1000/MOP300/OXY/PCP/THC w/adulteration (OX, CR, PH)	\$2.88	\$72.00
01 102 2039	9	ICup A.D. 09 AMP1000/BAR/BZO/COC300/MAMP1000/MTD/OPI2000/PCP/THC w/adulteration (OX, SG, PH)	\$3.11	\$77.75
01 102 2074	10	ICup A.D. 10 AMP1000/BAR/BZO/COC300/MAMP1000/MTD/OPI2000/OXY/ PPX/THC w/adulteration (OX, CR, PH)	\$3.20	\$80.00
01 102 2129	10	ICup A.D. 10 AMP1000/BAR/BZO/COC300/MAMP1000/MTD/OPI2000/PCP/TCA/ THC w/adulteration (OS, SG, PH, NI, GL, CR)	\$3.20	\$80.00
01 102 2027	12	ICup A.D. AMP1000/BAR/BZO/COC300/MAMP1000/MTD/OPI2000/OXY/PCP/PPX/ TCA/THC w/adulteration (OX, SG, PH)	\$4.05	\$101.25

REDICUP SUBSTANCE ABUSE TEST DEVICE

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 0026	4	RC 04 COC300/MAMP1000/MOP300/THC	\$1.80	\$45.00
01 102 0027	5	RC 05 BZO/COC300/MAMP1000/MOP300/THC	\$1.90	\$47.50
01 102 0028	5	RC 05 COC300/MAMP1000/MOP300/PCP/THC	\$1.90	\$47.50
01 102 0121	5	RC 05 AMP1000/COC300/MAMP1000/MOP300/THC	\$1.90	\$47.50
01 102 0029	6	RC 06 BZO/COC300/MAMP1000/MOP300/PCP/THC	\$2.45	\$61.25
01 102 0135	6	RC 06 AMP1000/BZO/COC300/MAMP1000/OPI2000/THC	\$2.45	\$61.25
01 102 0058	10	RC 10 AMP1000/BAR/BZO/COC300/MAMP1000/MTD/OPI2000/PCP/TCA/THC	\$3.20	\$80.00
01 102 0059	10	RC 10 AMP1000/BAR/BZO/COC300/MAMP1000/MOP300/MTD/PCP/TCA/THC	\$3.20	\$80.00
01 102 0137	10	RC 10 COC300/BAR/BZO/MAMP1000/MDMA/MOP300/MTD/OXY/PCP/THC	\$3.20	\$80.00

**Pricing Schedule
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Section III: On-Site Drug & Alcohol Screening Devices

Items highlighted in green match those requested in this ITB

INTEGRATED CUPS II SUBSTANCE ABUSE TEST DEVICE

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 2001	4	EZ CUP II 04 COC300/MAMP1000/OPI2000/THC	\$3.26	\$81.50
01 102 1974	5	EZ CUP II 05 AMP1000/COC300/OPI2000/PCP/THC w/adulteration (OX/SG/PH/NI/GL/CR)	\$3.26	\$81.50
01 102 2005	5	EZ CUP II 05 COC300/MAMP1000/OPI2000/PCP/THC	\$3.26	\$81.50
01 102 2018	5	EZ CUP II 05 AMP1000/COC300/MAMP1000/OPI2000/THC	\$3.26	\$81.50
01 102 2048	5	EZ CUP II 05 AMP1000/COC300/OPI2000/PCP/THC	\$3.26	\$81.50
01 102 2051	5	EZ CUP II 05 AMP1000/COC300/MAMP1000/OPI2000/THC w/adulteration (OX, SG, PH, NI, GL, CR)	\$3.26	\$81.50
01 102 2141	5	EZ CUP II 05 AMP1000/COC300/MAMP1000/OPI2000/THC w/adulteration (OX, SG, PH)	\$3.26	\$81.50
01 102 1984	6	EZ CUP II 06 AMP1000/BZO/COC300/MAMP1000/OPI2000/THC	\$3.59	\$89.75
01 102 2007	6	EZ CUP II 06 COC300/MAMP1000/MDMA/OPI2000/OXY/THC	\$3.59	\$89.75
01 102 2008	8	EZ CUP II 08 AMP1000/BAR/BZO/COC300/MAMP1000/OPI2000/PCP/THC	\$4.14	\$103.50
01 102 2140	9	EZ CUP II 09 BAR/BZO/COC300/MAMP1000/MTD/OPI2000/OXY/PPX/THC w/adulteration (OX, SG, PH)	\$4.25	\$106.25
01 102 1985	10	EZ CUP II 10 AMP1000/BAR/BZO/COC300/MAMP1000/MDMA/MTD/OPI2000/ PCP/THC	\$4.50	\$112.50
01 102 2096	12	EZ CUP II 12 AMP1000/BAR/BUP/BZO/COC150/MAMP1000/MDMA/MOP300/ MTD/OXY/PPX/THC	\$4.50	\$112.50

ORAL FLUID DRUGS OF ABUSE - For Forensic Use Only

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 2024	5	iScreen Oral Fluid Device AMP50/COC20/MAMP50/OPI40/THC12 - FFUO	\$5.60	\$140.00
01 102 2025	6	iScreen Oral Fluid Device AMP50/COC20/MAMP50/OPI40/PCP10/THC12 - FFUO	\$4.75	\$118.75
01 102 0127	6	RediTest Oral Fluids Device AMP50/COC20/MAMP50/OPI40/PCP10/THC12 - FFUO	\$4.68	\$117.00
01 102 1960	6	OrAlert 6 Oral Fluid Device AMP50/COC20/MAMP50/OPI40/PCP10/THC100 - FFUO	\$5.00	\$125.00
01 102 2083	6	OrAlert 6 Oral Fluid Device AMP50/BZO10/COC20/MAMP50/OPI40/THC100 - FFUO	\$5.00	\$125.00

SALIVA/BREATH ALCOHOL PRODUCTS

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 362 0001	N/A	Instant Alcohol Saliva Test Strip - FFUO	\$0.55	\$13.75
01 532 0020	N/A	ACON Breath Alcohol Device .02 (20/box)	\$2.30	\$46.00
01 094 0055	N/A	Alco-Screen Test (24/box) - FFUO	\$1.35	\$32.40
01 094 0056	N/A	Alco-Screen .02 DOT Approved Alcohol Saliva (24/box)	\$1.35	\$32.40

REDISMOKE, PREGNANCY & ADULTERATION

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
01 102 0140	1	Urine Cotinine (Nicotine Metabolite) Cassette Device - FFUO	\$0.85	\$21.25
01 102 1950	N/A	Urine Pregnancy Cassette (40/Box)	\$1.00	\$40.00
01 102 1910	7	One Step Validity Test (Seven Parameter) - FFUO	\$0.68	\$17.00

COLLECTION SUPPLIES

PART NUMBER	DRUG(S)	CONFIGURATION	PRICE PER DEVICE	BOX PRICE (25/BOX)
031224	N/A	90 ml Urine Collection Bottle with Built-in Temp Strip	\$0.22	\$5.50
031380	N/A	6.5 oz/ Graduated Beaker	\$0.10	\$2.50
031258	N/A	Temperature Strip	\$0.06	\$1.50

Device Order Shipping & Handling: Device orders will be shipped at no charge for ground service delivery. Expedited shipping of device orders will be charged on an 'at cost' basis. FOB Destination Point.