

CONTROL

PRODUCT

CATALOG



CONTROL
PRODUCT
CATALOG



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Consistency, accuracy, achieving the right result...this has been the mission of UTAK since our inception in 1973. Today, we still provide the most consistent controls in the industry. Because our business philosophy is strongly linked to our past, I would like to share a little of our history with you.

THE NEED FOR AN INDEPENDENT, VALIDATED CONTROL

Perhaps my father, Larry Plutchak, started the first toxicology control lab ever established. Previously, he had been employed by three labs in the greater Los Angeles area; Riker Labs, Bioscience and the LA County Coroner's Office. He believed there was a need for a lab that manufactured independent control material using USP standards to ensure the manufacturing process. With my mother at his side, UTAK was started in a small office in Granada Hills, California.

The early years were difficult. Finally, in 1980, partially thanks to Charles Pippenger, Ph.D., at the Cleveland Clinic, business turned for the better. Dr. Pippenger liked the idea of ensuring his assays were in control. Thus, he placed a large order with us. Shortly thereafter, we expanded significantly, almost doubling our annual volume throughout the decade of the 1980s.

"Always provide high quality products." This is the founding principle of UTAK. Of course, a lab can achieve the correct results when using in-house controls. However, getting the right result provides greater confidence when using independent control material.



Jim Plutchak, CEO

UTAK GOALS

QUALITY PRODUCTS

Our first goal is to ensure that the highest standards will always be met. We must provide the most superior products, so we strive to ensure that our products consistently approximate patients' specimens as closely as possible. It is our philosophy to stick to a 100% human matrix for whole blood, serum, and urine controls. Controls manufactured from "human based" matrices do not always behave like pure human material.

DELIVERING UNMATCHED CUSTOMER SERVICE

Our second goal is to ensure that our clients get something more than just a great product. We follow up with every customer, provide solutions and do whatever it takes to make sure our clients obtain the correct outcomes.

EXPANDING OUR PRODUCT LINE

Our third goal is to regularly expand our product line. As a result of surveys and discussions with our customers, we've recently released several new products. Each has been enthusiastically received. We're traveling the right path and will continue to do so. If there are products you would like to see us develop, we welcome you to share your thoughts with us.



“HUMAN BASED” MATRICES CAN CAUSE SPIKED ANALYTES TO BEHAVE ERRATICALLY

Inconsistency is the biggest frustration lab managers have with third party controls. The way to overcome this problem is to use controls manufactured with 100% human matrices from a company that makes providing superior customer service its number one priority.

Matrices that are “human based” contain preservatives. These additives inevitably lead to undesirable matrix effects most often causing spiked analytes to behave erratically. Results may be inconsistent, producing unnecessary retesting and delays. By sticking to 100% human matrices for whole blood, serum and urine, we ensure you consistently achieve the accuracy you need. Thus, your staff will save time and improve productivity.

WHY 3RD PARTY CONTROL MANUFACTURERS CHOOSE “HUMAN BASED” MATRICES

Using 100% human matrices for whole blood, serum and urine controls is more costly. Most independent control manufacturers know that working with 100% human matrices would drive up their costs and cut their profit margins. UTAK is a closed corporation (not publicly traded) that has no need to heed to the short-term profit motives of larger corporation shareholders. Therefore, we are never forced to sacrifice quality for the sake of greater profits.

PERSONAL HANDLING OF ALL CUSTOMER SERVICE ISSUES

When we receive a customer service related call from a client, it immediately becomes our top priority. During business hours, UTAK phones are answered by a “live” voice trained in customer service. Thus, our clients' inquiries are addressed immediately. When our client's question or problem cannot be solved by a customer service representative, he/she has the authority to contact any member of the management team to receive expeditious assistance.



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ADULTERATION CONTROLS

ADULTERATION

12

BI - LEVEL pHCHECK

TRI - LEVEL VALIDITYCHECK

VALIDITY CONTROLS 1 - 5

ADULTERATION CONTROLS

BI - LEVEL pHCHECK



ANALYTE	PRODUCT NUMBER	
	19010 <small>LOW RANGE</small>	19011 <small>HIGH RANGE</small>
Creatinine	21 - 35 mg/dL	21 - 35 mg/dL
pH	2 - 3	11 - 12
Specific Gravity	>1.003	>1.003

5x5 mL

36 MONTH SHELF LIFE

TRI - LEVEL VALIDITYCHECK



ANALYTE	PRODUCT NUMBER		
	18010 <small>LOW RANGE</small>	18011 <small>MID RANGE</small>	18012 <small>HIGH RANGE</small>
Creatinine	<5 mg/dL	10 - 19 mg/dL	21 - 35 mg/dL
pH	6 - 7	6 - 7	6 - 7
Nitrites	Negative	400 µg/mL	600 µg/mL
Specific Gravity	<1.001	<1.003	>1.003

5x5 mL

36 MONTH SHELF LIFE




VALIDITY CONTROLS 1- 5

ANALYTE	PRODUCT NUMBER				
	17010 LEVEL 1	17011 LEVEL 2	17012 LEVEL 3	17013 LEVEL 4	17014 LEVEL 5
Chromium VI (µg/mL)	n/a	0	n/a	n/a	>65
Creatinine (mg/dL)	n/a	1.0 - 1.5	3.0 - 4.0	21 - 25	n/a
Nitrites (µg/mL)	500 - 625	0	200 - 250	n/a	n/a
Oxidants (µg/mL)	n/a	0	n/a	n/a	>65
pH	4.5 - 9.0	3.2 - 4.0	10.0 - 10.8	2.0 - 2.8	11.2 - 12.0
Specific Gravity	1.0020	1.0210 - 1.0250	0.9950 - 1.0005	1.0040 - 1.0180	n/a



1x25 mL

24 MONTH SHELF LIFE

An abstract graphic on the left side of the page consists of several overlapping, flowing, translucent green ribbons that create a sense of movement and depth. The ribbons vary in opacity, with some appearing more solid and others more ethereal, set against a plain white background.

Ever since its initial conception, one of the hallmarks that separates UTAK from other companies is its commitment to utilizing only a natural biological matrix when preparing controls. For the first time in its history, UTAK is manufacturing a synthetic matrix control, in oral fluid. The reason for developing this control without using human saliva was simply the issue of safety. There is no easy way to sterilize saliva without destroying its matrix.

The synthetic oral fluid developed by UTAK has most of the major constituents (proteins, enzymes, immunoglobulins, electrolytes and trace elements) found in normal human saliva and it is buffered to salivary pH. What is missing from this preparation are the bacteria and viruses present in the oral cavity, which readily mix with saliva. UTAK has prepared its synthetic oral fluid to mimic human saliva as closely as possible.

I commend UTAK for recognizing the importance of salivary controls and preparing them to mimic human saliva.

C.E. Pippenger, Ph.D.



ORAL FLUID CONTROLS

DRUGS OF ABUSE

16

DOA Blank

DOA 50% Cutoff

DOA Cutoff

DOA 200% Cutoff

ORAL FLUID CONTROLS

DOA BLANK

DRUGS OF ABUSE



ANALYTE	PRODUCT NUMBER
	43049
d-Amphetamine	0 ng/mL
d-Methamphetamine	0 ng/mL
Benzoyllecgonine	0 ng/mL
Methadone	0 ng/mL
Morphine	0 ng/mL
Oxazepam	0 ng/mL
Phencyclidine	0 ng/mL
Propoxyphene	0 ng/mL
Secobarbital	0 ng/mL
Delta-9-THC	0 ng/mL

1x3 mL

12 MONTH SHELF LIFE

DOA 50% CUTOFF

DRUGS OF ABUSE



ANALYTE	PRODUCT NUMBER
	43050
d-Amphetamine	25 ng/mL
d-Methamphetamine	25 ng/mL
Benzoyllecgonine	10 ng/mL
Methadone	2.5 ng/mL
Morphine	20 ng/mL
Oxazepam	25 ng/mL
Phencyclidine	5 ng/mL
Propoxyphene	20 ng/mL
Secobarbital	15 ng/mL
Delta-9-THC	2 ng/mL

1x3 mL

12 MONTH SHELF LIFE



ANALYTE

PRODUCT NUMBER

43051

d-Amphetamine	50 ng/mL
d-Methamphetamine	50 ng/mL
Benzoyllecgonine	20 ng/mL
Metadone	5 ng/mL
Morphine	40 ng/mL
Oxazepam	50 ng/mL
Phencyclidine	10 ng/mL
Propoxyphene	40 ng/mL
Secobarbital	30 ng/mL
Delta-9-THC	4 ng/mL

1x3 mL

12 MONTH SHELF LIFE

DOA CUTOFF

DRUGS OF ABUSE



ANALYTE

PRODUCT NUMBER

43052

d-Amphetamine	100 ng/mL
d-Methamphetamine	100 ng/mL
Benzoyllecgonine	40 ng/mL
Metadone	10 ng/mL
Morphine	80 ng/mL
Oxazepam	100 ng/mL
Phencyclidine	20 ng/mL
Propoxyphene	80 ng/mL
Secobarbital	60 ng/mL
Delta-9-THC	8 ng/mL


1x3 mL

12 MONTH SHELF LIFE

DOA 200% CUTOFF

DRUGS OF ABUSE





Controls utilized to validate the accuracy of assays and stored standard curves must be prepared in the same biological matrix used to assay patient specimens. Analytes behave differently in a biological matrix than in a buffer solution. This is also true for solutions containing only partial matrix components. Thus, the most accurate and consistent controls are made with 100% human matrices. This is why I recommend UTAK for serum controls.

C.E. Pippenger, Ph.D.



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SERUM CONTROLS

FOUR LEVEL HOMOCYSTEINE

AMINO ACIDS



ANALYTE

PRODUCT
NUMBER

Homocysteine

98810 LEVEL 1

98811 LEVEL 2

98812 LEVEL 3

98813 LEVEL 4

10 µmol/L

20 µmol/L

30 µmol/L

50 µmol/L

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

BI - LEVEL METHYLMALONIC ACID

AMINO ACIDS



ANALYTE

PRODUCT
NUMBER

Methylmalonic Acid

74053 LEVEL 1

74054 LEVEL 2

0.2 µmol/L

1.0 µmol/L

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE



BI - LEVEL AMIODARONE

ANTIARRHYTHMICS

ANALYTE	PRODUCT NUMBER	
	61013 MID RANGE	61012 HIGH RANGE
Amiodarone	1 µg/mL	3 µg/mL
N-Desethylamiodarone	1 µg/mL	3 µg/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

14 MONTH SHELF LIFE



SERUM CONTROLS

BI - LEVEL AED II ANTICONVULSANTS



ANALYTE	PRODUCT NUMBER	
	72741 <small>MID RANGE</small>	72740 <small>HIGH RANGE</small>
Felbamate	50 µg/mL	100 µg/mL
Gabapentin	10 µg/mL	40 µg/mL
Lamotrigine	5 µg/mL	20 µg/mL
Levetiracetam	15 µg/mL	40 µg/mL
Oxcarbazepine	2 µg/mL	10 µg/mL
10-OH-Carbazepine	20 µg/mL	60 µg/mL
Pregabalin	5 µg/mL	15 µg/mL
Tiagabine	80 ng/mL	140 ng/mL
Topiramate	15 µg/mL	50 µg/mL
Zonisamide	20 µg/mL	60 µg/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE

BI - LEVEL ANTICONVULSANTS

ANTICONVULSANTS



ANALYTE	PRODUCT NUMBER	
	71911 <small>MID RANGE</small>	71910 <small>HIGH RANGE</small>
Carbamazepine	6 µg/mL	12 µg/mL
Ethosuximide	60 µg/mL	120 µg/mL
Phenobarbital	25 µg/mL	50 µg/mL
Phenytoin	15 µg/mL	30 µg/mL
Primidone	6 µg/mL	12 µg/mL
Valproic Acid	70 µg/mL	140 µg/mL

5x5 mL

RECONSTITUTED STABILITY 25 - 30 DAYS

24 MONTH SHELF LIFE



BI - LEVEL ANTIPSYCHOTICS

ANTIPSYCHOTICS

ANALYTE	PRODUCT NUMBER	
	57045 MID RANGE	57044 HIGH RANGE
Aripiprazole	100 ng/mL	400 ng/mL
Clozapine	100 ng/mL	400 ng/mL
Desmethylclozapine	100 ng/mL	400 ng/mL
Haloperidol	10 ng/mL	50 ng/mL
Reduced Haloperidol	10 ng/mL	50 ng/mL
Olanzapine	50 ng/mL	100 ng/mL
Quetiapine	100 ng/mL	400 ng/mL
Risperidone	50 ng/mL	150 ng/mL
9-OH Risperidone	50 ng/mL	150 ng/mL
Ziprasidone	50 ng/mL	150 ng/mL



5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE

SERUM CONTROLS

BI - LEVEL BARBITURATES

BARBITURATES



ANALYTE	PRODUCT NUMBER	
	71917 MID RANGE	71916 HIGH RANGE
Amobarbital	4 µg/mL	12 µg/mL
Butalbital	5 µg/mL	15 µg/mL
Pentobarbital	4 µg/mL	12 µg/mL
Phenobarbital	25 µg/mL	75 µg/mL
Secobarbital	4 µg/mL	12 µg/mL

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

PENTOBARBITAL

BARBITURATES



ANALYTE	PRODUCT NUMBER
Pentobarbital	66319
	20 µg/mL

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



ALPRAZOLAM - CLONAZEPAM BENZODIAZEPINES

ANALYTE	PRODUCT NUMBER
	61016
Alprazolam	25 ng/mL
Clonazepam	40 ng/mL

5x5 mL RECONSTITUTED STABILITY 25 - 30 DAYS 24 MONTH SHELF LIFE



ANALYTE	PRODUCT NUMBER	
	22614 MID RANGE	22613 HIGH RANGE
Chlordiazepoxide	1 µg/mL	2 µg/mL
N-Desmethylchlordiazepoxide	1 µg/mL	2 µg/mL
Demoxepam	0.5 µg/mL	1 µg/mL
Diazepam	1 µg/mL	2 µg/mL
N-Desmethyldiazepam	0.5 µg/mL	1 µg/mL
Oxazepam	1 µg/mL	2 µg/mL

5x5 mL RECONSTITUTED STABILITY 30 DAYS 24 MONTH SHELF LIFE



BI - LEVEL BENZODIAZEPINES BENZODIAZEPINES

SERUM CONTROLS

BI - LEVEL CLONAZEPAM

BENZODIAZEPINES



ANALYTE	PRODUCT NUMBER	
	22611 MID RANGE	22610 HIGH RANGE
Clonazepam	50 ng/mL	100 ng/mL
5x5 mL	RECONSTITUTED STABILITY 30 DAYS	24 MONTH SHELF LIFE

BI - LEVEL DIAZEPAM

BENZODIAZEPINES



ANALYTE	PRODUCT NUMBER	
	88113 MID RANGE	88112 HIGH RANGE
Diazepam	1 µg/mL	3 µg/mL
N-Desmethyldiazepam	1 µg/mL	3 µg/mL
5x5 mL	RECONSTITUTED STABILITY 30 DAYS	24 MONTH SHELF LIFE



FLURAZEPAM

BENZODIAZEPINES

ANALYTE	PRODUCT NUMBER
	66322
Flurazepam	100 ng/mL
N-Desalkylflurazepam	200 ng/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE



SERUM CONTROLS

BLANK SERUM

FREEZE DRIED



ANALYTE

Drug Free Serum

PRODUCT
NUMBER

44600

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

BLANK SERUM

FROZEN



ANALYTE

Drug Free Serum

PRODUCT
NUMBER

44600 - S(500)

NO PRESERVATIVES

30 DAYS AFTER THAWING

12 MONTH SHELF LIFE



DEFIBRINATED PLASMA

FROZEN

VOLUME

500 mL

LITER

PRODUCT
NUMBER

44600 - D(500)

44600 - D(LTR)

CONTAINS
SODIUM CITRATE

30 DAYS AFTER THAWING

12 MONTH SHELF LIFE



CAFFEINE

CAFFEINE

ANALYTE

Caffeine

5x5 mL

PRODUCT
NUMBER

66318

15 µg/mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



SERUM CONTROLS

BROMIDE

HYPNOTICS



ANALYTE	PRODUCT NUMBER		
Bromide	44623		
	500 µg/mL		
5x5 mL	RECONSTITUTED STABILITY 30 DAYS		24 MONTH SHELF LIFE

HYPNOTICS III

HYPNOTICS



ANALYTE	PRODUCT NUMBER		
Carisoprodol	44647		
Diazepam	40 µg/mL		
Ethchlorvynol	10 µg/mL		
Pentobarbital	30 µg/mL		
	20 µg/mL		
5x5 mL	RECONSTITUTED STABILITY 25 - 30 DAYS		24 MONTH SHELF LIFE



MID RANGE HYPNOTICS PLUS ACETAMINOPHEN

HYPNOTICS

ANALYTE	PRODUCT NUMBER
	71919
Acetaminophen	20 µg/mL
Diazepam	1.5 µg/mL
Meprobamate	20 µg/mL
Methaqualone	4 µg/mL
Methyprylon	8 µg/mL



5x5 mL RECONSTITUTED STABILITY 25 - 30 DAYS 24 MONTH SHELF LIFE

MID RANGE HYPNOTICS PLUS SALICYLATE

HYPNOTICS

ANALYTE	PRODUCT NUMBER
	71921
Bromide	300 µg/mL
Chlordiazepoxide	2 µg/mL
Ethchlorvynol	5 µg/mL
Glutethimide*	4 µg/mL
Salicylic Acid	150 µg/mL



5x5 mL RECONSTITUTED STABILITY 30 DAYS 24 MONTH SHELF LIFE
 * RECONSTITUTED STABILITY 10 DAYS 18 MONTH SHELF LIFE

SERUM CONTROLS

MEPROBAMATE

HYPNOTICS



ANALYTE	PRODUCT NUMBER		
Meprobamate	44636		
5x5 mL	RECONSTITUTED STABILITY 30 DAYS		24 MONTH SHELF LIFE

BI - LEVEL TRAZODONE

HYPNOTICS



ANALYTE	PRODUCT NUMBER		
Trazodone	61015 MID RANGE	61014 HIGH RANGE	
	1 µg/mL	3 µg/mL	
5x5 mL	RECONSTITUTED STABILITY 25 DAYS		24 MONTH SHELF LIFE



TRI - LEVEL MYCOPHENOLIC ACID

IMMUNOSUPPRESSANTS

ANALYTE	PRODUCT NUMBER		
	74050 LEVEL 1	74051 LEVEL 2	74052 LEVEL 3
Mycophenolic Acid	0.2 µg/mL	2 µg/mL	7.5 µg/mL
5x5 mL	RECONSTITUTED STABILITY 25 DAYS		24 MONTH SHELF LIFE



BI - LEVEL TRACE ELEMENTS

METALS

ANALYTE	PRODUCT NUMBER	
	66816 NORMAL RANGE	66815 HIGH RANGE
Aluminum	Values	Values
Cadmium	Approximate	Approximate
Calcium	Adult	Adult
Chromium	Normal	High/Toxic
Copper	Range	Range
Iron		
Magnesium		
Manganese		
Nickel		
Selenium		
Silver		
Zinc		
5x5 mL	RECONSTITUTED STABILITY 30 DAYS	
		24 MONTH SHELF LIFE



SERUM CONTROLS

BI - LEVEL SSRIs

SELECTIVE SEROTONIN
REUPTAKE INHIBITORS



ANALYTE	PRODUCT NUMBER	
	57041 MID RANGE	57040 HIGH RANGE
Bupropion	70 ng/mL	150 ng/mL
Citalopram	70 ng/mL	150 ng/mL
Duloxetine	150 ng/mL	600 ng/mL
Fluoxetine	150 ng/mL	600 ng/mL
Norfluoxetine	150 ng/mL	600 ng/mL
Fluvoxamine	100 ng/mL	1000 ng/mL
Paroxetine	100 ng/mL	300 ng/mL
Sertraline	100 ng/mL	300 ng/mL
Desmethylsertraline	100 ng/mL	300 ng/mL
Venlafaxine	100 ng/mL	500 ng/mL
Desmethylvenlafaxine	100 ng/mL	500 ng/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE

TRI - LEVEL FLUOXETINE

SELECTIVE SEROTONIN
REUPTAKE INHIBITORS



ANALYTE	PRODUCT NUMBER		
	44514 LOW RANGE	44513 MID RANGE	44512 HIGH RANGE
Fluoxetine	100 ng/mL	400 ng/mL	600 ng/mL
Norfluoxetine	100 ng/mL	400 ng/mL	600 ng/mL

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



SERUM DRUG SCREEN

SERUM DRUG SCREEN

ANALYTE	PRODUCT NUMBER
	88120
Acetaminophen	5 µg/mL
Amitriptyline	1 µg/mL
Amobarbital	2 µg/mL
Diazepam	2 µg/mL
Doxepin	1 µg/mL
Ethchlorvynol	5 µg/mL
Imipramine	1 µg/mL
Meprobamate	4 µg/mL
Phenobarbital	4 µg/mL
Phenytoin	2 µg/mL
Salicylic Acid	10 µg/mL
Secobarbital	2 µg/mL

5x5 mL

RECONSTITUTED STABILITY 25 - 30 DAYS

24 MONTH SHELF LIFE



ANALYTE	PRODUCT NUMBER	
	44511 NEGATIVE	44510 POSITIVE
Amitriptyline	120 ng/mL	480 ng/mL
Diazepam	0.1 µg/mL	0.38 µg/mL
Secobarbital	0.9 µg/mL	3.6 µg/mL

5x5 mL

RECONSTITUTED STABILITY 25 - 30 DAYS

24 MONTH SHELF LIFE

BI - LEVEL STABBS

SERUM TRICYCLIC
ANTIDEPRESSANT,
BARBITURATE,
BENZODIAZEPINE
SCREEN (STABBS)



SERUM CONTROLS

BI - LEVEL TRICYCLIC ANTIDEPRESSANTS I

TCA_s



ANALYTE	PRODUCT NUMBER	
	71923 <small>MID RANGE</small>	71922 <small>HIGH RANGE</small>
Desipramine	100 ng/mL	400 ng/mL
Imipramine	100 ng/mL	400 ng/mL
5x5 mL	RECONSTITUTED STABILITY 25 DAYS	24 MONTH SHELF LIFE

BI - LEVEL TRICYCLIC ANTIDEPRESSANTS II

TCA_s



ANALYTE	PRODUCT NUMBER	
	71925 <small>MID RANGE</small>	71924 <small>HIGH RANGE</small>
Amitriptyline	100 ng/mL	400 ng/mL
Nortriptyline	100 ng/mL	400 ng/mL
5x5 mL	RECONSTITUTED STABILITY 25 DAYS	24 MONTH SHELF LIFE



BI - LEVEL TRICYCLIC ANTIDEPRESSANTS IV

TCA_s

ANALYTE	PRODUCT NUMBER	88117 MID RANGE	88116 HIGH RANGE
Doxepin		100 ng/mL	400 ng/mL
N-Desmethyldoxepin		100 ng/mL	400 ng/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE



BI - LEVEL TRICYCLIC ANTIDEPRESSANTS V

TCA_s

ANALYTE	PRODUCT NUMBER	66315 MID RANGE	66314 HIGH RANGE
Amitriptyline		100 ng/mL	400 ng/mL
Desipramine		100 ng/mL	400 ng/mL
Imipramine		100 ng/mL	400 ng/mL
Nortriptyline		100 ng/mL	400 ng/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE



SERUM CONTROLS

BI - LEVEL TRICYCLIC ANTIDEPRESSANTS VI

TCA's



ANALYTE	PRODUCT NUMBER	
	66317 MID RANGE	66316 HIGH RANGE
Amitriptyline	100 ng/mL	400 ng/mL
Desipramine	100 ng/mL	400 ng/mL
Doxepin	100 ng/mL	400 ng/mL
N-Desmethyldoxepin	100 ng/mL	400 ng/mL
Imipramine	100 ng/mL	400 ng/mL
Nortriptyline	100 ng/mL	400 ng/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE

TRI - LEVEL VITAMIN D

VITAMINS



ANALYTE	PRODUCT NUMBER		
	10060 LOW	10061 LEVEL 1	10062 LEVEL 2
25-Hydroxy-Vitamin D2	10 ng/mL	30 ng/mL	73 ng/mL
25-Hydroxy-Vitamin D3	10 ng/mL	30 ng/mL	73 ng/mL

5x5 mL

RECONSTITUTED STABILITY 25 DAYS

24 MONTH SHELF LIFE



VOLATILES

VOLATILES

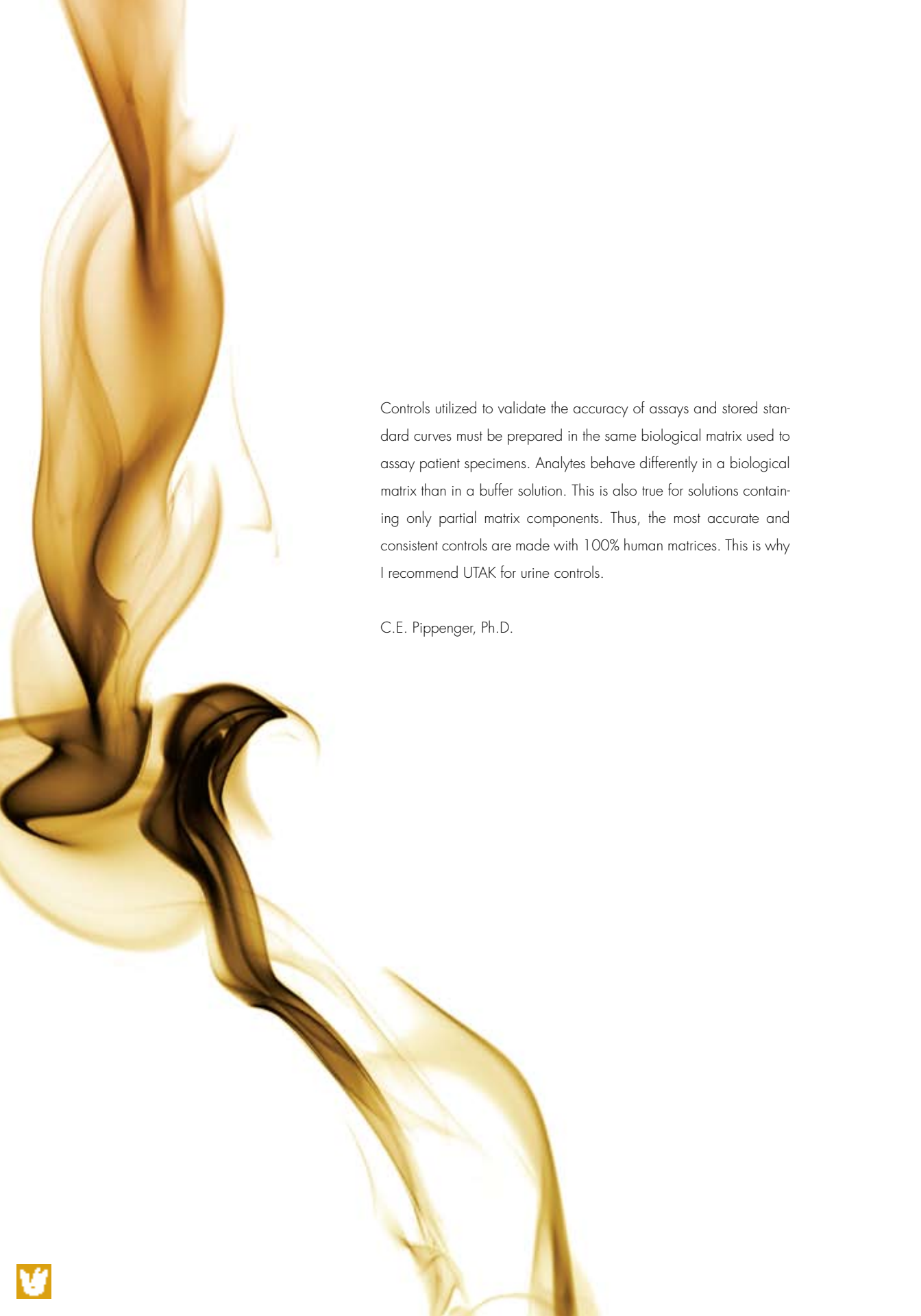
ANALYTE	PRODUCT NUMBER
	88119
Acetone	80 mg/dL
Ethanol	150 mg/dL
Ethylene Glycol	80 mg/dL
Isopropanol	80 mg/dL
Methanol	40 mg/dL



5x5 mL
(2 - PART PRODUCT)

RECONSTITUTED STABILITY 30 DAYS

18 MONTH SHELF LIFE



Controls utilized to validate the accuracy of assays and stored standard curves must be prepared in the same biological matrix used to assay patient specimens. Analytes behave differently in a biological matrix than in a buffer solution. This is also true for solutions containing only partial matrix components. Thus, the most accurate and consistent controls are made with 100% human matrices. This is why I recommend UTAK for urine controls.

C.E. Pippenger, Ph.D.



URINE CONTROLS

CERTIFIED DRUG FREE URINE	42
FREEZE DRIED	
FROZEN	
LIQUID	
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URINE CONTROLS

DAU-0

FREEZE DRIED



ANALYTE

Drug Free Urine

5x5 mL

PRODUCT
NUMBER

66810

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

CERTIFIED DRUG FREE URINE

FROZEN



VOLUME

835 mL

NO PRESERVATIVES

PRODUCT
NUMBER

88121-CDF(F)

30 DAYS AFTER THAWING

12 MONTH SHELF LIFE



CERTIFIED DRUG FREE URINE

LIQUID

VOLUME

1 Gallon

PRODUCT
NUMBER

88121-CDF(L)

CONTAINS SODIUM AZIDE

14 MONTH SHELF LIFE



URINE CONTROLS

DAU-II-C

CONFIRMATION



ANALYTE	PRODUCT NUMBER
	66812-C
d-Amphetamine	600 ng/mL
d-Methamphetamine	600 ng/mL
Benzoylcegonine	180 ng/mL
Codeine	360 ng/mL
Morphine-3-β-D-glucuronide	600 ng/mL*
Phencyclidine	30 ng/mL
Delta-9-THC-Carboxy	18 ng/mL

*Equivalent to 360 ng/mL Free Morphine

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

DAU-II-F

CONFIRMATION



ANALYTE	PRODUCT NUMBER
	66812-F
d-Amphetamine	600 ng/mL
d-Methamphetamine	600 ng/mL
Benzoylcegonine	180 ng/mL
Codeine	360 ng/mL
Morphine	360 ng/mL
Phencyclidine	30 ng/mL
Delta-9-THC-Carboxy	18 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



DRUGS OF ABUSE CONFIRMATION +25%

CONFIRMATION

ANALYTE	PRODUCT NUMBER
	98814
d-Amphetamine	625 ng/mL
d-Methamphetamine	625 ng/mL
Benzoyllecgonine	187.5 ng/mL
Codeine	2500 ng/mL
Morphine-3-β-D-glucuronide	4050 ng/mL*
6-Monoacetylmorphine	12.5 ng/mL
Phencyclidine	31.25 ng/mL
Delta-9-THC-Carboxy	18.75 ng/mL

*Equivalent to 2500 ng/mL Free Morphine



1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

DRUGS OF ABUSE CONFIRMATION -25%

CONFIRMATION

ANALYTE	PRODUCT NUMBER
	98815
d-Amphetamine	375 ng/mL
d-Methamphetamine	375 ng/mL
Benzoyllecgonine	112.5 ng/mL
Codeine	1500 ng/mL
Morphine-3-β-D-glucuronide	2430 ng/mL*
6-Monoacetylmorphine	7.5 ng/mL
Phencyclidine	18.75 ng/mL
Delta-9-THC-Carboxy	11.25 ng/mL

*Equivalent to 1500 ng/mL Free Morphine



1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

URINE CONTROLS

DAU HC 1 CONFIRMATION



ANALYTE	PRODUCT NUMBER
	50700
AMPHETAMINES	
d-Amphetamine	375 ng/mL
MDA	375 ng/mL
d-Methamphetamine	375 ng/mL
MDMA	375 ng/mL
MDEA	375 ng/mL
BARBITURATES	
Amobarital	225 ng/mL
Butalbital	225 ng/mL
Pentobarbital	225 ng/mL
Secobarbital	225 ng/mL
BENZODIAZEPINES	
α -Hydroxyalprazolam	225 ng/mL
N-Desmethyldiazepam	225 ng/mL
Lorazepam	225 ng/mL
Oxazepam	225 ng/mL
Temazepam	225 ng/mL
CANNABINOIDS	
Delta-9-THC-Carboxy	11.25 ng/mL
COCAINE	
Benzoylcegonine	112.5 ng/mL
METHADONE	
Methadone	225 ng/mL
Methadone Primary Metabolite	225 ng/mL
METHAQUALONE	225 ng/mL
OPIATES	
Codeine	1500 ng/mL
6-Monoacetylmorphine	7.5 ng/mL
Morphine-3- β -D-glucuronide	2430 ng/mL*
*Equivalent to 1500 ng/mL Free Morphine	
PHENCYCLIDINE	18.75 ng/mL
PROPOXYPHENE	
Norpropoxyphene	225 ng/mL
TRICYCLIC ANTIDEPRESSANTS	
Nortriptyline	225 ng/mL

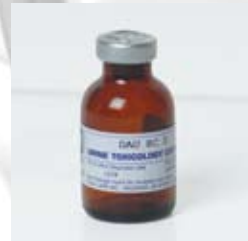
1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



DAU HC 2
CONFIRMATION



ANALYTE	PRODUCT NUMBER
50701	
AMPHETAMINES	
d-Amphetamine	625 ng/mL
MDA	625 ng/mL
d-Methamphetamine	625 ng/mL
MDMA	625 ng/mL
MDEA	625 ng/mL
BARBITURATES	
Amobarital	375 ng/mL
Butalbital	375 ng/mL
Pentobarbital	375 ng/mL
Secobarbital	375 ng/mL
BENZODIAZEPINES	
α-Hydroxyalprazolam	375 ng/mL
N-Desmethyldiazepam	375 ng/mL
Lorazepam	375 ng/mL
Oxazepam	375 ng/mL
Temazepam	375 ng/mL
CANNABINOIDS	
Delta-9-THC-Carboxy	18.75 ng/mL
COCAINE	
Benzoylcegonine	187.5 ng/mL
METHADONE	
Methadone	375 ng/mL
Methadone Primary Metabolite	375 ng/mL
METHAQUALONE	
	375 ng/mL
OPIATES	
Codeine	2500 ng/mL
6-Monoacetylmorphine	12.5 ng/mL
Morphine-3-β-D-glucuronide	4050 ng/mL*
*Equivalent to 2500 ng/mL Free Morphine	
PHENCYCLIDINE	31.25 ng/mL
PROPOXYPHENE	
Norpropoxyphene	375 ng/mL
TRICYCLIC ANTIDEPRESSANTS	
Nortriptyline	375 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

DAU LC 1

CONFIRMATION



ANALYTE	PRODUCT NUMBER
	50702
AMPHETAMINES	
d-Amphetamine	187.5 ng/mL
MDA	187.5 ng/mL
d-Methamphetamine	187.5 ng/mL
MDMA	187.5 ng/mL
MDEA	187.5 ng/mL
BARBITURATES	
Amobarital	150 ng/mL
Butalbital	150 ng/mL
Pentobarbital	150 ng/mL
Secobarbital	150 ng/mL
BENZODIAZEPINES	
α -Hydroxyalprazolam	150 ng/mL
N-Desmethyldiazepam	150 ng/mL
Lorazepam	150 ng/mL
Oxazepam	150 ng/mL
Temazepam	150 ng/mL
CANNABINOIDS	
Delta-9-THC-Carboxy	11.25 ng/mL
COCAINE	
Benzoylcegonine	75 ng/mL
METHADONE	
Methadone	150 ng/mL
Methadone Primary Metabolite	150 ng/mL
METHAQUALONE	
	150 ng/mL
OPIATES	
Codeine	225 ng/mL
6-Monoacetylmorphine	7.5 ng/mL
Morphine-3- β -D-glucuronide	365 ng/mL*
*Equivalent to 225 ng/mL Free Morphine	
PHENCYCLIDINE	18.75 ng/mL
PROPOXYPHENE	
Norpropoxyphene	150 ng/mL
TRICYCLIC ANTIDEPRESSANTS	
Nortriptyline	150 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



DAU LC 2
CONFIRMATION



ANALYTE	PRODUCT NUMBER
50703	
AMPHETAMINES	
d-Amphetamine	312.5 ng/mL
MDA	312.5 ng/mL
d-Methamphetamine	312.5 ng/mL
MDMA	312.5 ng/mL
MDEA	312.5 ng/mL
BARBITURATES	
Amobarital	250 ng/mL
Butalbital	250 ng/mL
Pentobarbital	250 ng/mL
Secobarbital	250 ng/mL
BENZODIAZEPINES	
α-Hydroxyalprazolam	250 ng/mL
N-Desmethyldiazepam	250 ng/mL
Lorazepam	250 ng/mL
Oxazepam	250 ng/mL
Temazepam	250 ng/mL
CANNABINOIDS	
Delta-9-THC-Carboxy	18.75 ng/mL
COCAINE	
Benzoyllecgonine	125 ng/mL
METHADONE	
Methadone	250 ng/mL
Methadone Primary Metabolite	250 ng/mL
METHAQUALONE	
Methaqualone	250 ng/mL
OPIATES	
Codeine	375 ng/mL
6-Monoacetylmorphine	12.5 ng/mL
Morphine-3-β-D-glucuronide	608 ng/mL*
*Equivalent to 375 ng/mL Free Morphine	
PHENCYCLIDINE	
Phencyclidine	31.25 ng/mL
PROPOXYPHENE	
Norpropoxyphene	250 ng/mL
TRICYCLIC ANTIDEPRESSANTS	
Nortriptyline	250 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

URINE CONTROLS

DAU IA 1

SCREEN



ANALYTE

PRODUCT NUMBER

ANALYTE	PRODUCT NUMBER
	50600
d-Methamphetamine	225 ng/mL
Benzoyllecognine	50 ng/mL
Methadone	50 ng/mL
Methaqualone	50 ng/mL
Morphine	225 ng/mL
Oxazepam	50 ng/mL
Phencyclidine	5 ng/mL
Propoxyphene	50 ng/mL
Secobarbital	50 ng/mL
Delta-9-THC-Carboxy	10 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

DAU IA 2

SCREEN



ANALYTE

PRODUCT NUMBER

ANALYTE	PRODUCT NUMBER
	50601
d-Methamphetamine	375 ng/mL
Benzoyllecognine	112.5 ng/mL
Methadone	112.5 ng/mL
Methaqualone	112.5 ng/mL
Morphine	375 ng/mL
Oxazepam	75 ng/mL
Phencyclidine	9.375 ng/mL
Propoxyphene	112.5 ng/mL
Secobarbital	75 ng/mL
Delta-9-THC-Carboxy	15 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



DAU IA 3

SCREEN

ANALYTE	PRODUCT NUMBER
	50602
d-Methamphetamine	750 ng/mL
Benzoyllecognine	225 ng/mL
Metadone	225 ng/mL
Methaqualone	225 ng/mL
Morphine	1500 ng/mL
Oxazepam	150 ng/mL
Phencyclidine	18.75 ng/mL
Propoxyphene	225 ng/mL
Secobarbital	150 ng/mL
Delta-9-THC-Carboxy	37.5 ng/mL



1x10 mL **RECONSTITUTED STABILITY 30 DAYS** **24 MONTH SHELF LIFE**

DAU IA 4

SCREEN

ANALYTE	PRODUCT NUMBER
	50603
d-Methamphetamine	1250 ng/mL
Benzoyllecognine	375 ng/mL
Metadone	375 ng/mL
Methaqualone	375 ng/mL
Morphine	2500 ng/mL
Oxazepam	250 ng/mL
Phencyclidine	31.25 ng/mL
Propoxyphene	375 ng/mL
Secobarbital	250 ng/mL
Delta-9-THC-Carboxy	62.5 ng/mL



1x10 mL **RECONSTITUTED STABILITY 30 DAYS** **24 MONTH SHELF LIFE**

URINE CONTROLS

DAU IA 5

SCREEN



ANALYTE	PRODUCT NUMBER
	50604
d-Methamphetamine	1500 ng/mL
Benzylecgonine	625 ng/mL
Methadone	625 ng/mL
Methaqualone	625 ng/mL
Morphine	3000 ng/mL
Oxazepam	375 ng/mL
Phencyclidine	93.75 ng/mL
Propoxyphene	625 ng/mL
Secobarbital	375 ng/mL
Delta-9-THC-Carboxy	125 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

DAU IA 6

SCREEN



ANALYTE	PRODUCT NUMBER
	50605
MDMA	375 ng/mL

1x10 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



DAU IA 7 SCREEN

ANALYTE	PRODUCT NUMBER	
	50606	
MDMA	625 ng/mL	
1x10 mL	RECONSTITUTED STABILITY 30 DAYS	24 MONTH SHELF LIFE



DAU-III SCREEN

ANALYTE	PRODUCT NUMBER	
	66813	
d-Methamphetamine	1400 ng/mL	
Benzoylcegonine	400 ng/mL	
Methadone	400 ng/mL	
Methaqualone	400 ng/mL	
Morphine	400 ng/mL	
Nortriptyline	1400 ng/mL	
Oxazepam	400 ng/mL	
Phencyclidine	40 ng/mL	
Propoxyphene	400 ng/mL	
Secobarbital	400 ng/mL	
Delta-9-THC-Carboxy	75 ng/mL	
5x5 mL	RECONSTITUTED STABILITY 30 DAYS	24 MONTH SHELF LIFE



URINE CONTROLS

DAU-IV

SCREEN



ANALYTE	PRODUCT NUMBER
	66814
d-Methamphetamine	1500 ng/mL
Benzoyllecgonine	500 ng/mL
Methadone	500 ng/mL
Methaqualone	500 ng/mL
Morphine	500 ng/mL
Oxazepam	500 ng/mL
Phencyclidine	100 ng/mL
Propoxyphene	500 ng/mL
Secobarbital	500 ng/mL
Delta-9-THC-Carboxy	150 ng/mL

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

DAU-V

SCREEN



ANALYTE	PRODUCT NUMBER
	66825
d-Methamphetamine	1250 ng/mL
Benzoyllecgonine	375 ng/mL
Methadone	375 ng/mL
Methaqualone	375 ng/mL
Morphine	375 ng/mL
Oxazepam	250 ng/mL
Phencyclidine	30 ng/mL
Propoxyphene	375 ng/mL
Secobarbital	250 ng/mL
Delta-9-THC-Carboxy	62.5 ng/mL

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



DAU-VI
SCREEN

ANALYTE	PRODUCT NUMBER
	66826
d-Methamphetamine	750 ng/mL
Benzoyllecgonine	225 ng/mL
Methodone	225 ng/mL
Methaqualone	225 ng/mL
Morphine	225 ng/mL
Oxazepam	150 ng/mL
Phencyclidine	18 ng/mL
Propoxyphene	225 ng/mL
Secobarbital	150 ng/mL
Delta-9-THC-Carboxy	37.5 ng/mL



5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE

URINE DRUG SCREEN
SCREEN

ANALYTE	PRODUCT NUMBER
	88121
Acetaminophen	5 µg/mL
d-Amphetamine	2 µg/mL
Benzoyllecgonine	2 µg/mL
Codeine	2 µg/mL
Imipramine	1 µg/mL
Methodone	2 µg/mL
Methodone Primary Metabolite	2 µg/mL
Methaqualone	2 µg/mL
Morphine-3-β-D-glucuronide	2 µg/mL
Oxazepam	2 µg/mL
Phencyclidine	1 µg/mL
Phenobarbital	4 µg/mL
Propoxyphene	4 µg/mL
Quinine	2 µg/mL
Secobarbital	2 µg/mL



5x10 mL

RECONSTITUTED STABILITY 25 - 30 DAYS

24 MONTH SHELF LIFE

URINE CONTROLS

BI - LEVEL URINE METALS

METALS



ANALYTE

PRODUCT NUMBER

12111 NORMAL RANGE

12110 HIGH RANGE

- Aluminum
- Arsenic
- Cadmium
- Calcium
- Chromium
- Cobalt
- Copper
- Creatinine
- Fluoride
- Lead
- Manganese
- Mercury
- Molybdenum
- Nickel
- Selenium
- Vanadium
- Zinc

Values
Approximate
Adult
Normal
Range

Values
Approximate
3-Times
Adult
Normal
Range

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



PM 100

PAIN MANAGEMENT


ANALYTE	PRODUCT NUMBER
	21070
Buprenorphine	100 ng/mL
Codeine	100 ng/mL
Fentanyl	10 ng/mL
Hydrocodone	100 ng/mL
Hydromorphone	100 ng/mL
Meperidine	100 ng/mL
Methadone	100 ng/mL
Morphine	100 ng/mL
Oxycodone	100 ng/mL
Oxymorphone	100 ng/mL
Tramadol	100 ng/mL



5x5 mL

RECONSTITUTED STABILITY 25 - 30 DAYS

24 MONTH SHELF LIFE



Controls utilized to validate the accuracy of assays and stored standard curves must be prepared in the same biological matrix used to assay patient specimens. Analytes behave differently in a biological matrix than in a buffer solution. This is also true for solutions containing only partial matrix components. Thus, the most accurate and consistent controls are made with 100% human matrices. This is why I recommend UTAK for whole blood controls.

C.E. Pippenger, Ph.D.



WHOLE BLOOD CONTROLS

BLANK WHOLE BLOOD	60
FROZEN	
DRUGS OF ABUSE	60
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WHOLE BLOOD CONTROLS

BLANK WHOLE BLOOD

FROZEN



VOLUME

250 mL

PRODUCT
NUMBER

44600-WB(F)

CONTAINS
POTASSIUM OXALATE
AND
SODIUM FLUORIDE

30 DAYS AFTER THAWING

12 MONTH SHELF LIFE

DRUGS OF ABUSE LEVEL 1

DRUG OF ABUSE



ANALYTE

d-Amphetamine
d-Methamphetamine
Benzoylcegonine
Cocaine
Codeine
Hydrocodone
Morphine
Delta-9-THC-Carboxy

PRODUCT
NUMBER

98818

100 ng/mL
100 ng/mL
100 ng/mL
100 ng/mL
100 ng/mL
100 ng/mL
100 ng/mL
100 ng/mL
Varies from lot to lot

5x5 mL

RECONSTITUTED STABILITY 30 DAYS

24 MONTH SHELF LIFE



BI - LEVEL CYCLOSPORINE A IMMUNOSUPPRESSANTS

ANALYTE	PRODUCT NUMBER	
	61011 MID RANGE	61010 HIGH RANGE
Cyclosporine A	100 ng/mL	400 ng/mL
5x5 mL	RECONSTITUTED STABILITY 30 DAYS	24 MONTH SHELF LIFE



TRI - LEVEL IMMUNOSUPPRESSANTS IMMUNOSUPPRESSANTS

ANALYTE	PRODUCT NUMBER		
1x3 mL	41630 LEVEL 1	41631 LEVEL 2	41632 LEVEL 3
Cyclosporine A	90 ng/mL	500 ng/mL	1200 ng/mL
Everolimus	4 ng/mL	15 ng/mL	25 ng/mL
Sirolimus	4 ng/mL	15 ng/mL	25 ng/mL
Tacrolimus	4 ng/mL	15 ng/mL	25 ng/mL
1x6 mL	41633 LEVEL 1	41634 LEVEL 2	41635 LEVEL 3
Cyclosporine A	90 ng/mL	500 ng/mL	1200 ng/mL
Everolimus	4 ng/mL	15 ng/mL	25 ng/mL
Sirolimus	4 ng/mL	15 ng/mL	25 ng/mL
Tacrolimus	4 ng/mL	15 ng/mL	25 ng/mL
	RECONSTITUTED STABILITY 25 - 30 DAYS	24 MONTH SHELF LIFE	



WHOLE BLOOD CONTROLS

FOUR LEVEL LEADS

LEADS



ANALYTE	PRODUCT NUMBER			
	93311 LEVEL I	93312 LEVEL II	93313 LEVEL III	93314 LEVEL IV
Lead	8 µg/dL	22 µg/dL	40 µg/dL	60 µg/dL
5x3 mL	RECONSTITUTED STABILITY 30 DAYS		24 MONTH SHELF LIFE	

TRI - LEVEL METALS

METALS



ANALYTE	PRODUCT NUMBER		
	44521 LEVEL 1	44522 LEVEL 2	44523 LEVEL 3
Arsenic	Values	Values	Values
Cadmium	Approximate	Approximate	Approximate
Chromium	Adult	Adult	Adult
Lead	Normal	Elevated	High/Toxic
Manganese	Range	Range	Range
Mercury			
Selenium			
Thallium			
5x3 mL	RECONSTITUTED STABILITY 30 DAYS		24 MONTH SHELF LIFE



TRI - LEVEL ETHANOL

VOLATILES

ANALYTE	PRODUCT NUMBER
Ethanol	44519 TRI - LEVEL SET 100 mg/dL 200 mg/dL 300 mg/dL

3x1 mL
(2 - PART PRODUCT)

RECONSTITUTED STABILITY 30 DAYS

18 MONTH SHELF LIFE



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THANK YOU

A SINCERE THANK YOU

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Dr. Pippenger currently serves as an Adjunct Professor at the Neurology Department of the University of Vermont College of Medicine.



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