



We are Toxicology.™

Comprehensive Drug Testing Solutions



U.S. PRODUCT CATALOG – Reagents and Instrumentation



Continuous Innovation. Confidence in Testing.

Prescription drug misuse and illicit drug abuse are growing public health challenges worldwide. Building a test profile that covers highly misused drugs has never been so vital. The Immunalysis™ reagent portfolio allows easy screening for relevant substances. Our complete line of assays, calibrators and controls enables implementation of an efficient drug testing system.

Immunalysis offers the following reagent formats for multiple matrices:

HEIA™
SEFRIA™
ELISA

We are Toxicology.™

Immunalysis develops and manufactures immunoassay reagents for drug testing in a variety of biological matrices. We provide toxicologists with powerful, comprehensive drug testing solutions.

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Urine Reagents

SEFRIA™ and HEIA™ Drug Screening Kits



Urine SEFRIA™ drug screening assay

SEFRIA reagents comprise the next generation immunoassay utilizing the β -galactosidase enzyme allowing for lower cutoffs, wider assay span and enhanced precision in a ready-to-use liquid format.

Our **SEFRIA fentanyl** is the first-ever FDA 510(k) cleared assay designed for qualitative testing at a 1 ng/mL cutoff.

- Liquid stable and ready to use; no pouring or reconstitution
- Designed for use on open channel clinical chemistry analyzers



Urine HEIA™ drug screening assays

Our menu includes illicit compounds, opiates, opioids, synthetic cannabinoids and other drugs.

- Liquid stable and ready to use; no pouring or reconstitution
- Available in convenient 60 mL wedges
- Can be used on open channel chemistry analyzers

Urine SEFRIA™ drug screening kits

Item Description	Cutoff (ng/mL)	Catalog Number and Kit Volume			
		25 mL	60 mL Wedge	100 mL	500 mL
Fentanyl	1	618UR-0025	618UR-0060W	618UR-0100	618UR-0500

Urine HEIA™ drug screening kits

Item Description	Cutoff (ng/mL)	Catalog Number and Kit Volume			
		25 mL	60 mL Wedge	100 mL	500 mL
6-acetylmorphine (6-AM, Heroin metabolite)	10	347UR-0025	347UR-0060W	347UR-0100	347UR-0500
(+)-Amphetamine	500 or 1000	309UR-0025	309UR-0060W	309UR-0100	309UR-0500
Barbiturates	200	310UR-0025	310UR-0060W	310UR-0100	310UR-0500
Benzodiazepines	200	314UR-0025	314UR-0060W	314UR-0100	314UR-0500
Benzoylcegonine (Cocaine metabolite)	150 or 300	306UR-0025	306UR-0060W	306UR-0100	306UR-0500
Buprenorphine	5	336UR-0025	336UR-0060W	336UR-0100	336UR-0500
Cannabinoids (-)-11-nor-carboxy- Δ 9-THC	50	305UR-0025	305UR-0060W	305UR-0100	305UR-0500
Carisoprodol*	100	331-0025	331-0060W	331-0100	331-0500
Carisoprodol metabolite/ Meprobamate	280	331UR-0025	331UR-0060W	331UR-0100	331UR-0500
EDDP (Methadone metabolite)	100, 300 or 1000	349UR-0025	349UR-0060W	349UR-0100	349UR-0500
Ethyl Alcohol	100 mg/dL	504-0025	504-0060W	504-0100	504-0500
Ethyl Glucuronide (EtG) Qualitative*	500 or 1000	341-0025	341-0060W	341-0100	341-0500
Ethyl Glucuronide (EtG) Semi-Quantitative*	500 or 1000	341UR-0025	341UR-0060W	341UR-0100	341UR-0500
Ketamine*	100	340UR-0025	340UR-0060W	340UR-0100	340UR-0500
Meperidine*	200	303-0025	303-0060W	303-0100	303-0500
(+)-Methamphetamine	500 or 1000	311UR-0025	311UR-0060W	311UR-0100	311UR-0500
Opiates	300 or 2000	307UR-0025	307UR-0060W	307UR-0100	307UR-0500
Oxycodone	100 or 300	302UR-0025	302UR-0060W	302UR-0100	302UR-0500
Phencyclidine (PCP)	25	308UR-0025	308UR-0060W	308UR-0100	308UR-0500
Synthetic Cannabinoids*					
K2 (Synthetic Cannabinoids-1)	10	344-0025	344-0060W	344-0100	344-0500
K2 (Synthetic Cannabinoids-2)	10	346-0025	346-0060W	346-0100	346-0500
Synthetic Cannabinoids-3	10	350-0025	350-0060W	350-0100	350-0500
Tapentadol*	200	343-0025	343-0060W	343-0100	343-0500
Tramadol	200	304UR-0025	304UR-0060W	304UR-0100	304UR-0500
Zolpidem*	20	333-0025	333-0060W	333-0100	333-0500

60 mL wedges are compatible with Beckman Coulter® AU analyzers.

*For forensic use only.

Urine multi-drug calibrators and controls (available in 15 mL or 25 mL size)

Multi-drug calibrators (1 x 15 mL or 25 mL bottle)* – *each level can be ordered individually*

Catalog Number	#10000-15 or #10000-25	#10001-15 or #10001-25	#10002-15 or #10002-25	#10003-15 or #10003-25
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
Benzoyllecgonine	150	300	500	1000
(+)-Methamphetamine	500	1000	1500	2000
Morphine	100	300	500	1000
Oxazepam	100	200	500	1000
Phencyclidine (PCP)	12.5	25	50	100
Secobarbital	100	200	500	1000

Multi-drug control sets (2 x 15 mL or 25 mL bottles)

n/a = not applicable

Catalog Number	Control Set 1 #3000-15 or #3000-25		Control Set 2 #3001-15 or #3001-25	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)	Low Control 2 (ng/mL)	High Control 2 (ng/mL)
Benzoyllecgonine	112.5	187.5	225	375
(+)-Methamphetamine	375	625	750	1250
Morphine	225	375	1500	2500
Oxazepam	150	250	n/a	n/a
Phencyclidine (PCP)	19	31	n/a	n/a
Secobarbital	150	250	n/a	n/a

Urine specific single analyte calibrators and controls

Cannabinoids (cTHC) calibrator for use with 305UR Cannabinoids HEIA (1 x 5 mL or 15 mL bottle)*

Catalog Number	#10011-5 or #10011-15	#10012-5 or #10012-15	#10013-5 or #10013-15	#10014-5 or #10014-15
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
(-)-11-nor-carboxy- Δ^9 -THC	20	50	100	200

Cannabinoids (cTHC) control set (2 x 5 mL or 15 mL bottles)

Catalog Number	Control Set 1 #3005-5 or #3005-15	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)
(-)-11-nor-carboxy- Δ^9 -THC	37.5	62.5

Carisoprodol metabolite/Meprobamate calibrator for use with 331UR HEIA (1 x 5 mL bottle)*

Catalog Number	#10023-5	#10025-5	#10026-5
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)
Meprobamate (Carisoprodol metabolite)	50	200	500

Carisoprodol metabolite/Meprobamate control set (2 x 5 mL bottles)

Catalog Number	Control Set 1 #C331UR-5-2	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)
Meprobamate (Carisoprodol metabolite)	75	125

EDDP Specific calibrator for use with 349UR EDDP HEIA (1 x 5 mL bottle)*

Catalog Number	#10015-5	#10016-5	#10017-5	#10018-5
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
EDDP (Methadone metabolite)	100	300	500	1000

EDDP Specific control set (2 x 5 mL bottles)

Catalog Number	Control Set 1 #3006-5		Control Set 2 #3007-5		Control Set 3 #3008-5	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)	Low Control 2 (ng/mL)	High Control 2 (ng/mL)	Low Control 3 (ng/mL)	High Control 3 (ng/mL)
EDDP (Methadone metabolite)	75	125	225	375	750	1250

*Negative calibrator #NEG-10-1 (1 x 10 mL bottle) is sold separately.

Ethyl Glucuronide (EtG) Qualitative calibrator for use with 341 EtG HEIA (1 x 10 mL bottle)*

Catalog Number	#C341-10-1-500	#C341-10-1-1000
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)
Ethyl Glucuronide (EtG)	500	1000

Ethyl Glucuronide (EtG) Qualitative control set (2 x 10 mL bottles)

Catalog Number	Control Set 1 #C341-10-2-500		Control Set 2 #C341-10-2-1000	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)	Low Control 2 (ng/mL)	High Control 2 (ng/mL)
Ethyl Glucuronide (EtG)	375	625	750	1250

Ethyl Glucuronide (EtG) Semi-Quantitative calibrator for use with 341UR EtG HEIA (1 x 5 mL bottle)*

Catalog Number	#10031-5	#C341UR-5-1-500	#C341UR-5-1-1000	#10034-5
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
Ethyl Glucuronide (EtG)	250	500	1000	2000

Ethyl Glucuronide (EtG) Semi-Quantitative control set (2 x 5 mL bottles)

Catalog Number	Control Set 1 #C341UR-5-2-500		Control Set 2 #C341UR-5-2-1000	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)	Low Control 2 (ng/mL)	High Control 2 (ng/mL)
Ethyl Glucuronide (EtG)	375	625	750	1250

Opiates 2000 calibrator for use with 307UR Opiates HEIA (1 x 15 mL bottle)*

Catalog Number	#10007-15	#10008-15	#10009-15	#10010-15
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
Morphine	1000	2000	4000	6000

Opiates 2000 control set (2 x 15 mL or 25 mL bottles)

Catalog Number	Control Set 2 #3001-15 or #3001-25	
Analyte	Low Control 2 (ng/mL)	High Control 2 (ng/mL)
Morphine (2000 ng/mL cutoff)	1500	2500

SEFRIA™ Fentanyl calibrator for use with 618UR Fentanyl SEFRIA (1 x 5 mL bottle)

Catalog Number	#NEG-600-5	#10019-5	#10020-5	#10021-5
Analyte	Negative Calibrator	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)
Fentanyl	0	1.0	2.0	4.0

SEFRIA™ Fentanyl control set (2 x 5 mL bottles)

Catalog Number	Control Set 1 #3009-5	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)
Fentanyl	0.5	1.5

Urine single drug calibrators**SEMI-QUANTITATIVE TESTING**

Single drug calibrator sets – each set includes one bottle of each level + negative calibrator

Analyte	Catalog Number	Quantity x Bottle Size	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
(+)-Amphetamine	C309UR-5-5	5 x 5 mL	500	1000	1500	2000
Buprenorphine	C336UR-10-5	5 x 10 mL	5	10	20	40
Carisoprodol	C331-10-5	5 x 10 mL	50	100	200	500
Ketamine	C340UR-5-5	5 x 5 mL	50	100	200	500
Meperidine	C303-10-5	5 x 10 mL	100	200	500	1000
Oxycodone	C302UR-10-5	5 x 10 mL	100	300	500	1000
Tapentadol	C343-10-5	5 x 10 mL	100	200	300	1000
Tramadol	C304UR-10-5	5 x 10 mL	100	200	500	1000

*Negative calibrator #NEG-10-1 (1 x 10 mL bottle) is sold separately.

QUALITATIVE TESTING

Single drug calibrators

Analyte	Concentration (ng/mL)	Catalog Number	Quantity x Bottle Size
6-acetylmorphine (6-AM, Heroin metabolite)	10	10006	1 x 5 mL
AB-PINACA pentanoic acid	10	10030-5	1 x 5 mL
(+)-Amphetamine	500	C309UR-5-1-500	1 x 5 mL
(+)-Amphetamine	1000	C309UR-5-1-1000	1 x 5 mL
Buprenorphine	5	C336UR-10-1	1 x 10 mL
Carisoprodol	100	C331-10-1	1 x 10 mL
Ethyl Alcohol	100 mg/dL	10022-5	1 x 5 mL
JWH-018 N-pentanoic acid	10	10005	1 x 10 mL
Ketamine	100	C340UR-5-1	1 x 5 mL
Meperidine	200	C303-10-1	1 x 10 mL
Oxycodone	100	C302UR-10-1-100	1 x 10 mL
Oxycodone	300	C302UR-10-1-300	1 x 10 mL
Tapentadol	200	C343-10-1	1 x 10 mL
Tramadol	200	C304UR-10-1	1 x 10 mL
UR-144 N-pentanoic acid	10	C346-5-1	1 x 5 mL
Zolpidem	20	C333-10-1	1 x 10 mL
Negative calibrator	0	NEG-10-1	1 x 10 mL
Negative calibrator	0	NEG-500	1 x 500 mL

Urine single drug controls

Single drug control sets – each set includes one bottle of each control

Analyte	Concentration (ng/mL)	Catalog Number	Control Set (ng/mL)		Quantity x Bottle Size
			Low Control	High Control	
6-acetylmorphine (6-AM Heroin metabolite)	10	3004-5	7.5	12.5	2 x 5 mL
AB-PINACA pentanoic acid	10	3012-5	5	15	2 x 5 mL
(+)-Amphetamine	500	C309UR-5-2-500	375	625	2 x 5 mL
(+)-Amphetamine	1000	C309UR-5-2-1000	750	1250	2 x 5 mL
Buprenorphine	5	C336UR-10-2	3.75	6.25	2 x 10 mL
Carisoprodol	100	C331-10-2	75	125	2 x 10 mL
Ethyl Alcohol	100 mg/dL	3010-5	50 mg/dL	300 mg/dL	2 x 5 mL
JWH-018 N-pentanoic acid	10	3003	5	15	2 x 10 mL
Ketamine	100	C340UR-5-2	75	125	2 x 5 mL
Meperidine	200	C303-10-2	150	250	2 x 10 mL
Oxycodone	100	C302UR-10-2-100	75	125	2 x 10 mL
Oxycodone	300	C302UR-10-2-300	225	375	2 x 10 mL
Tapentadol	200	C343-10-2	150	250	2 x 10 mL
Tramadol	200	C304UR-10-2	150	250	2 x 10 mL
UR-144 N-pentanoic acid	10	C346-5-2	5	15	2 x 5 mL
Zolpidem	20	C333-10-2	10	40	2 x 10 mL

Oral Fluid

Quantisal™ Collection Device and Saliva Drug Screening Kits

Oral fluid testing is ideal in settings where detection of recent drug use is necessary.

Oral fluid drug testing is gaining popularity with many organizations that require convenient, gender-neutral specimen collections, combined with the accuracy of scientifically-accepted and approved test methods. The simple, observable and non-invasive nature of the collection means:

- Highly customizable test panel options covering a wide range of illicit and prescription drugs
- Collection of samples anywhere
- Observed collection protects from specimen tampering or adulteration
- Excellent indication of recent drug use

Drug concentrations in oral fluid are more comparable with blood levels than urine.¹ Oral fluid drug screen results provide valuable information about recent drug use, making it an ideal choice for a number of different monitoring programs in areas such as workplace, drug courts and rehabilitation.

We offer a broad range of oral fluid HEIA™, SEFRIA™ and ELISA* assays that are suitable for these needs.

Quantisal™ Oral Fluid Collection Device

Easy, non-invasive, observed collection

The Quantisal™ collection device is recognized as a reliable and innovative testing format that offers fast and easy collection of oral fluid in order to detect the presence of drugs in adults 18 years and older.

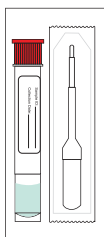
Key Benefits

- Volume adequacy indicator
- Collects 1 mL \pm 10% oral fluid
- Excellent extraction efficiencies
- No artificial stimulants

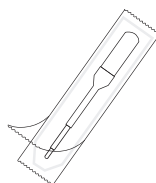


How to Collect a Specimen with Quantisal

- 1** Check expiration date on Quantisal packaging and ensure donor has refrained from consumption of food or beverage for 10 minutes prior to specimen collection.



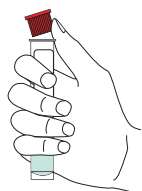
- 2** Instruct donor to peel open package and remove collector.
To expedite the collection process, **have donor move tongue side to side to accumulate saliva** in mouth before starting. Keep the tip of the device pointed down.



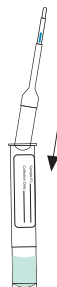
- 3** Instruct donor to position collector under tongue and close mouth. **Keep head down to allow gravity to help with saliva collection.**
IMPORTANT: ensure donor does not chew on pad, talk, or remove collector from mouth until indicator turns **BLUE**, or until 10 minutes have passed.



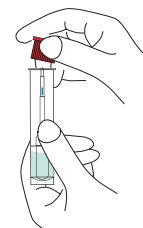
- 4** Instruct donor to hold transport tube in an upright position and uncapped by pushing up with thumb(s).
Do not stand tube on table. Do not spill or empty the liquid from tube.



- 5** Instruct donor to insert collector into the uncapped transport tube and replace cap.



- 6** **SNAP CAP** firmly for transport. Place center of specimen seal on top of tube and press down both sides. Complete paperwork and send sample to laboratory.



Quantisal™ oral fluid collection device and accessories

Item Description	Catalog Number	Quantity
Quantisal™ oral fluid collection device	QS-0025	25
	QS-0500	500
Filter tubes for specimen processing	QP-106	100
Filter tube caps	QP-105	500

Item Description	Catalog Number	Volume
Calibrators and controls (High, medium, low and negative calibrator)	OFC4-4	4 vials (4 mL each)
	OFC4-40	4 vials (40 mL each)
PM calibrators and controls (High, medium, low and negative calibrator)	OFC-PM-10	4 vials (10 mL each)
Extraction buffer	EXTBUF-1000	1 L
Synthetic negative oral fluid diluted with extraction buffer	NOFC-0100	100 mL
	NOFC-0500	500 mL

Oral fluid HEIA™ drug screening kits*

Item Description	Cutoff (ng/mL)	Catalog Number and Kit Volume		
		25 mL	100 mL	500 mL
(+)-Amphetamine	50	309-0025	309-0100	309-0500
Benzodiazepines	20	314-0025	314-0100	314-0500
Buprenorphine	5	336OF-0025	336OF-0100	336OF-0500
Cocaine/Benzoyllecgonine (COC/BE)	20	312-0025	312-0100	312-0500
Methadone	50	332-0025	332-0100	332-0500
(+)-Methamphetamine	50	311-0025	311-0100	311-0500
Opiates	40	307-0025	307-0100	307-0500
Oxycodone	40	321-0025	321-0100	321-0500
Phencyclidine (PCP)	10	308-0025	308-0100	308-0500
THC	8	324-0025	324-0100	324-0500
Tramadol	50	325OF-0025	325OF-0100	325OF-0500

Oral fluid ethyl alcohol screening kit*

Item Description	Catalog Number	Kit Volume	Number of Tests
Enzymatic oral fluid ethyl alcohol	503-0100	100 mL	1000

*For forensic use only.

Oral fluid HEIA™ multi-analyte calibrators and controls*

OFC4-4 (4 x 4 mL vials) or **OFC4-40** (4 x 40 mL vials) for concentrations in buffer divide by 4

Analyte	LOW Control Neat Oral Fluid (ng/mL)	Cutoff Calibrator Neat Oral Fluid (ng/mL)	HIGH Control Neat Oral Fluid (ng/mL)
(+)-Amphetamine	25	50	100
Benzoyllecgonine	10	20	40
Methadone	25	50	100
(+)-Methamphetamine	25	50	100
Morphine	20	40	80
Oxazepam	10	20	40
Phencyclidine (PCP)	5	10	20
Propoxyphene	20	40	80
Secobarbital	25	50	100
THC	2	4	8

OFC-PM-10 (4 x 10 mL vials) for concentrations in buffer divide by 4

Analyte	LOW Control Neat Oral Fluid (ng/mL)	Cutoff Calibrator Neat Oral Fluid (ng/mL)	HIGH Control Neat Oral Fluid (ng/mL)
Buprenorphine	2.5	5	10
Carisoprodol	25	50	100
Fentanyl	0.5	1	2
Meperidine	25	50	100
Methadone	12.5	25	50
Oxazepam	5	10	20
Oxycodone	20	40	80
THC	4	8	16
Tramadol	25	50	100

Oral fluid SEFRIA™ drug screening kits**

Item Description	Cutoff (ng/mL)	Catalog Number and Kit Volume	
		100 mL	500 mL
(+)-Methamphetamine	50	611OF-0100	611OF-0500
Opiates	30	607OF-0100	607OF-0500
Oxycodone	30	621OF-0100	621OF-0500
Phencyclidine (PCP)	10	608OF-0100	608OF-0500

Oral fluid SEFRIA™ multi-drug calibrators and controls**

Multi-drug calibrators (1 x 10 mL bottle) – *each level must be ordered individually*

Catalog Number	#10055-10	#10056-10	#10057-10	#10058-10
Analyte	Level 1 (ng/mL)	Level 2 (ng/mL)	Level 3 (ng/mL)	Level 4 (ng/mL)
(+)-Methamphetamine	25	50	100	200
Opiates	15	30	50	100
Oxycodone	15	30	50	100
Phencyclidine (PCP)	5	10	20	40

Negative oral fluid calibrator is available in 100mL (#NEGOF-0100) and 500mL (#NEGOF-0500).

Multi-drug control sets (2 x 10 mL bottles)

Catalog Number	Control Set 1 #3016-10	
Analyte	Low Control 1 (ng/mL)	High Control 1 (ng/mL)
(+)-Methamphetamine	37.5	62.5
Opiates	22.5	37.5
Oxycodone	22.5	37.5
Phencyclidine (PCP)	7.5	12.5

ELISA

Enzyme-linked Immunosorbent Assay Screening Kits

Forensic drug testing solutions

The Immunalysis™ ELISA reagents meet the recommended scope and analytical cutoffs of toxicological analysis and DUID* investigations. There is little or no sample preparation in complex matrices. Quality products with the accuracy, reliability and confidence you expect.



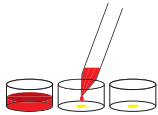
For forensic use only.

Key Benefits

- Specific and sensitive
- Ready to use reagents for forensic matrices
- Single dilution factor

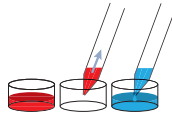
Assay Procedure**

1



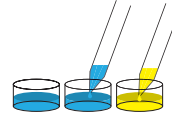
Dispense sample.
Add 100 μ L of conjugate.
Incubate for one hour.

2



Wash plates six times
with 350 μ L of DI water.

3



Add 100 μ L of TMB substrate
and incubate for 30 minutes.
Add 100 μ L of STOP solution
and read.

*Driving under the influence of drugs (DUID)

**Procedure may vary

ELISA drug screening kits for forensic matrices*

Item Description	Catalog Number and Number of Tests			
	96 Tests	192 Tests	480 Tests	4800 Tests
Acetaminophen (Paracetamol)	227-0096		227-0480	
(+)-Amphetamine		209-0192	209-0480	209-4800
Barbiturates		210-0192	210-0480	210-4800
Benzodiazepines		214-0192	214-0480	214-4800
Buprenorphine	236-0096		236-0480	236-4800
Cannabinoids (-)-11-nor-carboxy- Δ^9 -THC		205-0192	205-0480	205-4800
Carisoprodol	231-0096		231-0480	231-4800
Cocaine Metabolite (Benzoylecgonine specific)		206-0192	206-0480	206-4800
Cocaine (Cocaine/Cocaethylene)			229-0480	229-4800
Cocaine/Benzoylecgonine (COC/BE)		212-0192	212-0480	212-4800
Cotinine (Nicotine metabolite)	217-0096		217-0480	
Dextromethorphan	238-0096		238-0480	
Diphenhydramine	242-0096		242-0480	
Fentanyl	218-0096		218-0480	218-4800
Ketamine	240-0096		240-0480	
LSD		215-0192		
Meperidine	220-0096		220-0480	220-4800
Methadone	232-0096		232-0480	232-4800
(+)-Methamphetamine		211-0192	211-0480	211-4800
Methylphenidate	219-0096		219-0480	
Morphine Specific		213-0192	213-0480	
Naltrexone	239-0096		239-0480	
Opiates		207-0192	207-0480	207-4800
Opiates (No Morphine 3-glucuronide cross-reactivity)			207B-0480	
Oxycodone (blood)	221B-0096		221B-0480	221B-4800
Oxycodone (urine)	221-0096		221-0480	
Phencyclidine (PCP)		208-0192	208-0480	208-4800
Propoxyphene	237-0096		237-0480	
Salicylates	228-0096		228-0480	
THC (hair)			230-0480	
THC (oral fluid)			224-0480	224-4800
Tramadol	225-0096		225-0480	225-4800
Tricyclic Antidepressants	222-0096		222-0480	
Zolpidem	233-0096		233-0480	

*For forensic use only.

ELISA buffers*

Item Description	Catalog Number	Volume
BSA buffer 0.1% bovine serum albumin (100 mM phosphate buffered saline) pH 7.0	BSA-1000	1 L
PBS buffer (100 mM phosphate buffered saline) pH 7.0	PBS-1000	1 L
PBS buffer (phosphate buffered saline) dry powder pouch	PBS-1-PK	1 L
Synthetic negative blood matrix	SB-0050	50 mL
Synthetic negative urine pouch (dry powder) with creatinine	SUP-5	5 L
Synthetic negative urine pouch (dry powder) without creatinine	SUPCF-5	5 L
N-EXT™ meconium extraction buffer	MEB-1000	1 L
Reconstitution buffer pouch	RB5000	5 L
Hair extraction buffer	HEB-1000	1 L
STOP reagent	SO-103-750	2 x 375 mL



Additional Testing Information

Alcohol Testing

Quantitative enzymatic alcohol assay

The Society of Forensic Toxicologists (SOFT) and American Academy of Forensic Sciences (AAFS) guidelines² recommend that the initial detection of drugs or toxins be confirmed by a second technology based on a different chemical principle. With the Immunalysis enzymatic alcohol, a

preliminary screening method can be implemented prior to headspace gas chromatography in compliance with the guidelines. With a test designed to work on existing laboratory analyzers, no capital expenditure may be required.

Key Benefits

- High-throughput assay design
- Excellent correlation with gold-standard, headspace GC testing
- Suitable for use with blood, urine or saliva matrices
- Cost-effective



Alcohol Screening Kits*

Endpoint / Microplate

Item Description	Catalog Number	Kit Volume or Quantity
Enzymatic blood ethyl alcohol	501-0500	55 mL
Enzymatic oral fluid ethyl alcohol	502-0500	55 mL
Blank 96 well microplates	MP-101	25 plates

Auto Analyzer

Item Description	Catalog Number	Kit Volume
Enzymatic oral fluid ethyl alcohol	503-0100	Reagent A and E: 55 mL

Kit Components and Fill Volumes: HEIA™ and SEFRIA™

Urine SEFRIA™ drug screening kit

Item Description	Catalog Number	Content	Kit Fill Volume			
			XXX-0025	XXX-0060W	XXX-0100	XXX-0500
Fentanyl	618UR	Reagent EA	25 mL	60 mL	100 mL	500 mL
		Reagent ED	15 mL	37 mL	60 mL	300 mL

Urine HEIA™ drug screening kits

Item Description	Catalog Number	Content	Kit Fill Volume			
			XXX-0025	XXX-0060W	XXX-0100	XXX-0500
All urine HEIA kits (not listed below)		Reagent A	25 mL	60 mL	100 mL	500 mL
		Reagent E	25 mL	60 mL	100 mL	500 mL
6-AM (6-acetylmorphine)	347UR	Reagent A Reagent E	25 mL	60 mL	125 mL	500 mL
Cannabinoids (-)-11-nor-carboxy-Δ9-THC	305UR		10 mL	30 mL	50 mL	200 mL
Tapentadol	343	Reagent A Reagent E	25 mL 18 mL	60 mL 40 mL	100 mL 70 mL	500 mL 350 mL
Benzodiazepines	314UR					
Benzoylcegonine (Cocaine metabolite)	306UR					
EDDP (Methadone metabolite)	349UR					
Ethyl Glucuronide (EtG)	341					
Ethyl Glucuronide (EtG) Semi-Quantitative	341UR					
Ketamine	340UR					
(+)-Methamphetamine	311UR					
Phencyclidine (PCP)	308UR					
K2 (Synthetic Cannabinoids-1)	344					
K2 (Synthetic Cannabinoids-2)	346					
Synthetic Cannabinoids-3	350					
Zolpidem	333					

Oral fluid SEFRIA™ drug screening kits

Item Description	Catalog Number	Content	Kit Fill Volume	
			XXX-0100	XXX-0500
All oral fluid SEFRIA kits (not listed below)		Reagent EA	100 mL	500 mL
		Reagent ED	60 mL	300 mL
(+)-Methamphetamine	611OF	Reagent EA Reagent ED	100 mL 70 mL	500 mL 350 mL
Opiates	607OF			
Oxycodone	621OF			

Oral fluid HEIA™ drug screening kits

Item Description	Catalog Number	Content	Kit Fill Volume		
			XXX-0025	XXX-0100	XXX-0500
All oral fluid HEIA kits (not listed below)		Reagent A	25 mL	100 mL	500 mL
		Reagent E	15 mL	60 mL	300 mL
Buprenorphine	336OF	Reagent A Reagent E	25 mL	100 mL	500 mL
Oxycodone	321		25 mL	100 mL	500 mL
Tramadol	325OF	Reagent A Reagent E	25 mL 18 mL	100 mL 70 mL	500 mL 350 mL

Kit Components and Fill Volumes:

Oral fluid ethyl alcohol screening kit

Item Description	Catalog Number	Content	Kit Fill Volume
			503-0100
Enzymatic oral fluid ethyl alcohol (auto analyzer)	503	Reagent A	100 mL
		Reagent E	2 x 50 mL

Kit Components and Fill Volumes: ELISA

ELISA drug screening kits

Item Description	Catalog Number	Content	Kit Fill Volume			
			XXX-0096	XXX-0192	XXX-0480	XXX-4800
All ELISA kits (not listed below)		96 well plate	1x	2x	5x	50x
		Conjugate	15 mL	25 mL	60 mL	750 mL
		TMB – substrate	30 mL	30 mL	2 x 30 mL	750 mL
		STOP reagent	30 mL	30 mL	2 x 30 mL	*
		Negative standard	2 mL	2 mL	5 mL	3 x 5 mL
Acetaminophen	227	96 well plate	1x		5x	
		Conjugate concentrated	200 µL		1 mL	
		Conjugate diluent	20 mL		60 mL	
		TMB – substrate	30 mL		2 x 30 mL	
		STOP reagent	30 mL		2 x 30 mL	
		Positive standard	2 mL		5 mL	
		Negative standard	2 mL		5 mL	
Cotinine (Nicotine metabolite)	217	96 well plate	1x		5x	
		Conjugate	15 mL		60 mL	
		TMB – substrate	30 mL		2 x 30 mL	
		STOP reagent	30 mL		2 x 30 mL	
		Positive serum control	5 x 1 mL		5 x 1 mL	
		Negative serum control	1 mL		2 mL	
		Positive standard	2 mL		5 mL	
		Negative standard	2 mL		5 mL	
THC (hair)	230	96 well plate			5x	
		Conjugate			2 x 60 mL	
		BSA buffer			60 mL	
		TMB – substrate			2 x 60 mL	
		STOP reagent			2 x 30 mL	
Salicylates Dextromethorphan	228 238	96 well plate	1x		5x	
		Conjugate	15 mL		60 mL	
		TMB – substrate	30 mL		2 x 30 mL	
		STOP reagent	30 mL		2 x 30 mL	
		Positive standard	2 mL		5 mL	
		Negative standard	2 mL		5 mL	

*sold separately.
For forensic use only.

Oral Fluid ELISA drug screening kits

Item Description	Catalog Number	Content	Kit Fill Volume	
			XXX-0480	XXX-4800
THC (oral fluid)	224	96 well plate	5x	50x
		THC pre-incubation buffer	25 mL	260 mL
		Conjugate	35 mL	375 mL
		TMB – substrate	2 x 30 mL	750 mL
		STOP reagent	2 x 30 mL	*
		Calibrator and control set (OFC4-4 or OFC 4-40)	4 x 4 mL	4 x 40 mL

Oral Fluid ELISA alcohol screening kit

Item Description	Catalog Number	Content	Kit Fill Volume
			502-0500
Enzymatic oral fluid ethyl alcohol	502	Reagent A	55 mL
		Reagent E	55 mL
		Extraction buffer	20 mL

Blood ELISA alcohol screening kit

Item Description	Catalog Number	Content	Kit Fill Volume
			501-0500
Enzymatic blood ethyl alcohol	501	Reagent A	55 mL
		Reagent E	55 mL
		Perchloric acid	400 mL

ELISA Instrumentation

Immunalysis and Tecan have a 17 year partnership providing forensic screening solutions.

Manual system

System Description	Number of Test per Year*
Sunrise™ Reader	1,000 – 30,000
Columbus or Hydroflex Washer	1,000 – 30,000

Semi-automated systems with fixed Teflon-coated washable tips

System Description	Number of Test per Year*	Number of Tips	Washer / Reader	Maximum Plates	Maximum Assays	Maximum Samples	Process Time (hours)
Freedom EVO® 75/1 or 75/2	45,000 – 90,000	1 or 2	Standalone	9	18	48	2.5 – 3.0
Freedom EVO® 100/4 or 100/8	90,000	4 or 8	Standalone	9	18	96	3.0 – 3.5
Freedom EVO® 150/8	90,000	8	Standalone	12	24	96	3.5 – 4.0

Fully-automated system with fixed Teflon-coated washable tips

System Description	Number of Test per Year*	Number of Tips	Washer / Reader	Maximum Plates	Maximum Assays	Maximum Samples	Process Time (hours)
Freedom EVO® 75/2 Workstation with Robotic Manipulator Arm (ROMA)	30,000 – 60,000	2	Integrated	6	12	48	2.5 – 4.0



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Payment Terms

Payments are to be made Net 30 days (except credit card payments). All payments are to be made in US funds only. We accept Visa, MasterCard and American Express.

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P.O. Box 102317
Pasadena, CA 91189-2317

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Return shipping instructions will be provided by your Immunalysis representative.

1. White, R, Moore, C. Detection of Drugs and Their Metabolites in Oral Fluid. Elsevier and RTI International, 2018
2. Society of Forensic Toxicologists Inc. and American Academy of Forensic Sciences, Toxicology Section, http://www.soft-tox.org/files/Guidelines_2006_Final.pdf

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