

**FORENSIC
DRUG DETECTION**



Why Our Test Kits?

With over 30 years of experience, our solutions ensure confidence in your testing. We are committed to providing the highest quality, most dependable drugs of abuse testing reagents for forensic toxicology, and our portfolio offers validated drug test kits, optimized reagents, and automated equipment.

Industry-Leading Panels — With over 115 kits screening more than 300 drugs and metabolites, we offer solutions for a wide range of testing applications.

Matrix Validations — Our tests are validated for whole blood, urine, hair, oral fluid, serum, plasma, meconium, human milk, and more.

Reliable Results — Our tests provide sensitive and reproducible screening results for a wide range of toxicology testing programs.

Efficient Workflow — With only minimal training required, our simple assay process means no wasted time or resources within your lab. Automation packages available to take your testing to the next level.

High Quality — We have extensive quality control and manufacturing protocols in place to ensure our products are fit-for-purpose and perform above expectations.

Dedication to Improvement — We're continuously optimizing our solutions to ensure they meet our customers' needs.

Experienced Technical Support — Our forensic experts provide validation assistance and comprehensive technical support every step of the way.

We partner with you to ensure your success and our innovative portfolio keeps up with emerging drug trends and offers consistent results. As we develop our solutions, we closely monitor regional and global regulatory requirements to ensure your testing compliance and standards are met. Our quality management system is ISO 9001:2015 certified.

Drug Detection ELISA Panels

Stimulants

- Amfepramone-Diethylpropion
- Amphetamine
- Amphetamine Specific-2
- Amphetamine Ultra
- Benzylpiperazine (BZP)
- Caffeine/Pentoxifylline
- Cocaine/Benzoyllecgonine-2
- Cotinine
- Doxapram
- Mazindol/Mazindol Metabolites
- Methylphenidate/Ritalinic Acid
- Methamphetamine/MDMA
- Nikethamide
- Synthetic Cathinones (Methcathinone)

Anabolic Steroids/Beta-Agonists

- Anabolic Steroids
- 16β-Hydroxystanozolol
- Boldenone
- Nandrolone
- Trenbolone

Beta-Agonists

- Bronchodilator Group
- Clenbuterol
- Theophylline

Hallucinogens & Anesthetics

- Dextromethorphan
- Ketamine
- LSD
- Mepivacaine
- PCP
- Procaine
- THC
- Synthetic Cannabinoids

Antidepressants/Sedatives

- Azaperone
- Barbiturate Group
- Benzodiazepine Group (Oxazepam/Clonazepam)
- Buspirone
- Citalopram
- Detomidine
- Flunitrazepam
- Fluoxetine
- Hydroxyzine
- Reserpine
- Sertraline
- Trazodone
- Tricyclics Group
- Zolpidem

Narcotic Analgesics

- 6-AM
- Alfentanil
- Anileridine
- Buprenorphine
- Butorphanol
- Carfentanil
- Dermorphin
- Diprenorphine
- Etorphine
- Fentanyl
- Hydromorphone
- Levallorphan
- Meperidine
- Methadone
- Methadone/LAAM
- Naltrexone/Nalbuphine
- Opiates
- Oxymorphone/Oxycodone
- Pentazocine
- Propoxyphene
- Sufentanil
- Tramadol

Anti-Inflammatories

- Carprofen
- Celecoxib
- Corticosteroid Group
- Dexamethasone
- Flunixin
- Ibuprofen
- Ketorolac
- Methylprednisolone
- Phenylbutazone
- Salicylates
- Triamcinolone Acetonide
- Zomepirac

Antipsychotics

- Droperidol
- Fluphenazine
- Haloperidol Metabolites
- Promazine Group
- Tricyclics Group

Other Prescription Drugs

- Amphetamine
- Amphetamine Specific-2
- Amphetamine Ultra
- Barbiturate Group
- Benzodiazepine Group (Oxazepam/Clonazepam)
- Buprenorphine
- Butorphanol
- Carisoprodol
- Fentanyl
- Hydrocodone
- Hydrochlorothiazide
- Hydromorphone
- Ketamine
- Meperidine
- Methadone
- Methadone/LAAM
- Methamphetamine/MDMA
- Methylphenidate
- Naltrexone/Nalbuphine
- Opiate Group
- Oxymorphone/Oxycodone
- Pentazocine
- Phenytoin
- Propoxyphene
- Tramadol
- Trazodone
- Zolpidem

Workplace Testing

- 6-AM
- Amphetamine
- Amphetamine Specific-2
- Amphetamine Ultra
- Barbiturate Group
- Benzodiazepine Group
- Buprenorphine
- Cocaine/Benzoyllecgonine-2
- Methadone
- Methamphetamine/MDMA
- Opiates
- Oxymorphone/Oxycodone
- PCP
- Propoxyphene
- THC

Designer Drugs

- Synthetic Cannabinoids (JWH-018)
- Synthetic Cannabinoids (JWH-250)
- Synthetic Cannabinoids (UR-144/XLR-11)
- Synthetic Cathinones (Methcathinone)
- Designer Benzodiazepines

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Drug Detection ELISA Kits

ELISA Test Kits	Product No.	ELISA Test Kits	Product No.	ELISA Test Kits	Product No.
6-AM	134019	Flunitrazepam	109519	Sufentanil	104919
16β-Hydroxystanozolol*	103519	Flunixin	101919	Sulfamethazine*	103419
Acetaminophen	132419	Fluoxetine	107619	Synthetic Cannabinoids (JWH-018)	133519
Alfentanil*	103619	Fluphenazine*	104119	Synthetic Cannabinoids (JWH-250)	133719
Amfepramone-Diethylpropion*	182119	Furosemide	104219-1	Synthetic Cannabinoids (UR-144/XLR-11)*	133919
Amphetamine	105219-1	Glycopyrrolate	102019	Synthetic Cathinones (Methcathinone)	181819
Amphetamine Specific-2	132319-2	Guanabenz*	109219	THC♦	131019
Amphetamine Ultra♦	130819	Haloperidol Metabolites*	102119	THC Ultra	182319
Anileridine*	105519	Hydrochlorothiazide*	180319	Theophylline*	106019
Apomorphine/Apocodeine*	109119	Hydromorphone	132219	Tramadol	131819
Azaperone*	100919	Hydroxyzine	105719	Trazodone	132819
Barbiturate Group♦	130619	Ibuprofen	180219	Trenbolone*	109719
Benzodiazepine Group (Oxazepam/Clonazepam)♦	130119	Ipratropium/Atropine	107119	Triamcinolone Acetonide	105119
Benzodiazepine Group Ultra♦	134319	Isoxsuprine	102219	Tricyclics Group	132019
Benzylpiperazine*	108319	Ketamine	131719	Zolpidem	132619
Boldenone*	101019	Ketoprofen	108219	Zomepirac*	109619
Bronchodilator Group	100319	Ketorolac*	105619	Zopiclone/Eszopiclone	133819
Bumetanide	103719-1	Levallorphan	102319		
Buprenorphine	131919	LSD*	130219		
Buspiron*	108719	Mazindol/Mazindol Metabolites	102519	Hair ELISA Kits**	Product No.
Butorphanol	101119	Meperidine	131219	Cocaine/BZE	140119
Caffeine/Pentoxifylline	106419	Mephentermine*	107219	Methamphetamine/MDMA-2	140219-2
Carfentanil	103919	Mepivacaine	102719	Opiates	140319
Carisoprodol	132519	Meprobamate	133419	Synthetic Opiates	140419
Carprofen*	181119	Metaraminol*	107919	PCP-2	140519-2
Celecoxib	180719	Methadone	131619	THC	140619
Citalopram*	132719	Methadone/LAAM	132919	**Not sold in the U.S.	
Clenbuterol	101219	Methamphetamine/MDMA♦	130919	Oral Fluid ELISA Kits	Product No.
Clonidine/Romifidine	180119	Methocarbamol	108019	Cocaine/BZE	120119
Cocaine/Benzoylecgonine-2♦	130319-2	Methotrexate*	107519	Methamphetamine	120219
Corticosteroid Group	100419	Methylphenidate/Ritalinic Acid	134219	Opiates	120319
Cotinine	182219	Methylprednisolone	104519	PCP	120419
Creatinine	133319	Naltrexone/Nalbuphine	133019	THC	120519
Cromoglycate*	105819	Nandrolone	104619	Multi-Analyte Calibrator Set*	128100
Dantrolene	106319	Nikethamide*	109919		
Dermorphin	181919	Opiate Group♦	130419		
Detomidine	181319	Oxycodone/Oxymorphone♦	130719		
Dexamethasone	101519	Pentazocine	103119		
Dextromethorphan*	131419	Phencyclidine (PCP)♦	130519		
Diprenorphine*	106119	Phenylbutazone	104719-1		
Doxapram	106219	Phenytoin*	132119		
Droperidol*	101619	Procaine*	103219		
Ethacrynic Acid*	101719-1	Promazine Group	100719		
Etorphine	101819	Propoxyphene	131119		
Fenproporex*	182019	Propranolol	107319		
Fentanil Group	100519	Pyrilamine	105919		
Fentanyl	131519	Reserpine*	104819		
Fexofenadine/Terfenadine*	181419	Salicylates*	133619		
		Sertraline	131319		

*Minimum quantities and lead times required. Contact us for more details.

♦Matrix specific calibrators included

Other kits include positive and negative controls

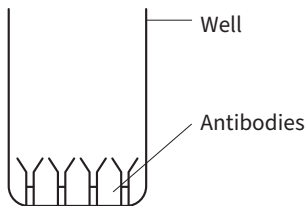
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Assay Principle

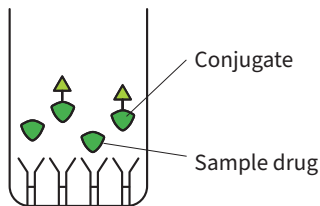
Our competitive direct ELISAs operate on the basis of competition between the drug or its metabolite in the sample and the drug-enzyme conjugate for a limited number of specific binding sites on the precoated microplate.

The simple assay procedure includes the addition of samples, calibrators, or controls to the antibody-coated microplate, followed by the addition of the drug enzyme conjugate (HRP). During incubation, the drug in the sample and the drug enzyme conjugate compete for binding sites on the antibody-coated microplate. After the initial incubation, the microplate is washed and K-Blue® Substrate (TMB) is added. After the substrate incubation, the test can be read visually or with a microplate reader. The extent of color development is inversely proportional to the amount of drug in the sample or control/calibrator. The absence of the drug in the sample will result in a blue color (yellow if acid stop is used), whereas the presence of the drug will result in decreased or no color development.

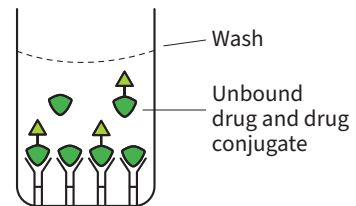
Assay Procedure



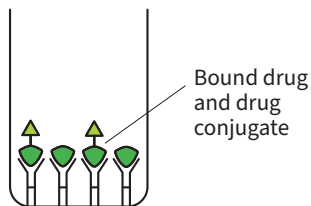
Plates are precoated with the antibody. The plate is ready for use. Do not wash.



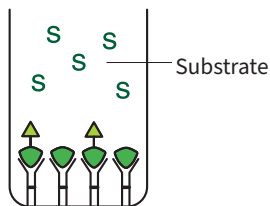
A sample or control is added to each well. Next, the drug-enzyme conjugate is added, and the mixture is incubated at room temperature.



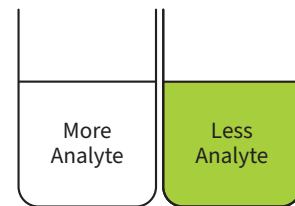
Wash the plate to remove all unbound materials.



The bound materials now remain in the microplate.



Add TMB substrate to each well and allow the color to develop.



Qualitative results are obtained by measuring the absorbance reading at 450 nm or 650 nm if no acid stop is used.



Oral Fluid Testing

Oral fluid is gaining popularity over traditional matrix types. Oral fluid offers the following advantages:

- Detects recent drug use and is ideal for post-accident and for-cause testing
- Short window of detection, immediate up to 24 hours
- Full monitoring of collection event making it difficult to adulterate test results
- Collection can take place anytime and anywhere reducing time away from work
- Simple and painless collection

Hair Testing

We offer ELISA kits for the most commonly abused drugs on the illicit market — cocaine, opiates, synthetic opiates, methamphetamine, PCP, and THC. Using hair samples to detect drugs of abuse has become common practice because of its advantages over traditional sample types including:

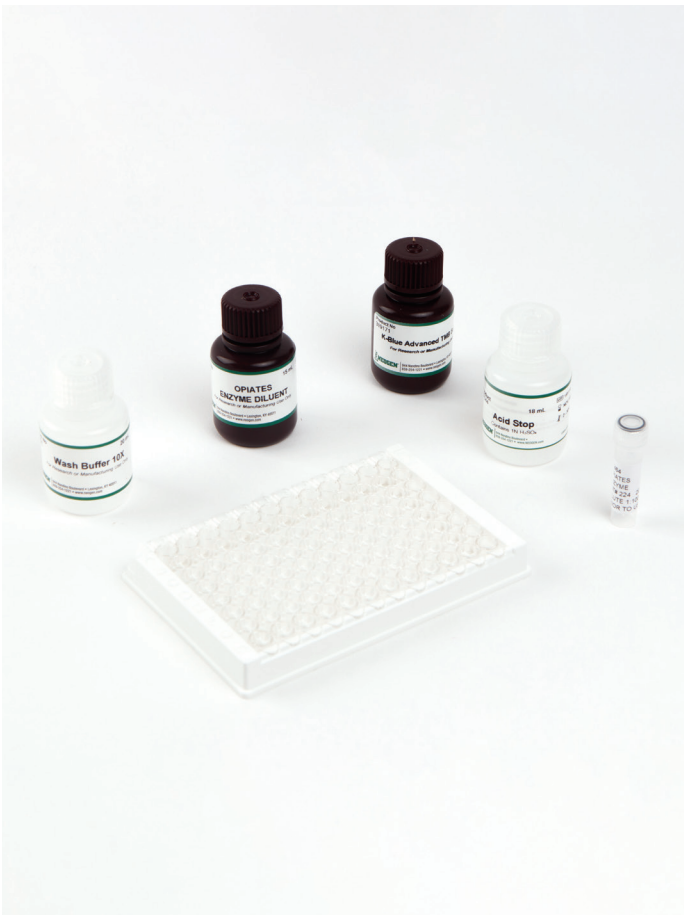
- Hair is easy to handle and store
- Collection is far less invasive than urine and blood
- Brief periods of non-use do not affect test results
- A larger window of drug detection
- Simple retesting
- Difficult to adulterate test results

These advantages have led hair samples to be extensively used in workplace testing, as well as in other areas, such as legal cases, occupational and traffic medicine, and for historical research.



Human Milk Testing

We have validated a specific panel of our ELISA kits for human milk testing. Optimized for this unique matrix, our solutions provide milk banks with the highest level of confidence their milk supply is free from harmful drugs. We're experienced with helping milk banks establish screening protocols to increase the overall safety of the milk they provide to infants in need.



Forensic Testing

Our solutions are validated for various matrices, including whole blood, urine, hair, oral fluid, serum, plasma, meconium, human milk, and more. With highly sensitive, accurate assays suitable for a range of matrices you need to screen, you can have confidence in your testing and get reliable results with our simple, easy-to-use kits. Our experts are always available to provide validation assistance and technical support to ensure your success across matrices.



Reagents

We know additional substrates and reagents may be needed, and we offer the following products, which are optimized with our test kits.

Reagents for Immunoassays

Product	Shelf Life	Product Features	Available Sizes	Product Number
K-Blue Advanced	48 months when stored at 2–8°C	<ul style="list-style-type: none"> • Develops blue color in the presence of HRP • Ready-to-use • Low background • High consistency between lots 	200 mL 500 mL 1 L	319175 319176 319177
Red Stop Solution	24 months when stored at 2–8°C	<ul style="list-style-type: none"> • Produces a dark purple-pink color for a minimum of 2 hours when added to the wells • Non-acidic solution • Ready-to-use 	200 mL 500 mL 1 L	301474 301475 301476
EIA Buffer	24 months when stored at 2–8°C	<ul style="list-style-type: none"> • Dilutes enzyme conjugates, standards and samples • Ready-to-use 	500 mL 1 L	301276 301277
Wash Buffer	24 months when stored at 2–8°C	<ul style="list-style-type: none"> • Washes all unbound enzyme conjugate, samples and standards from microplates • Concentrated (10x) buffer 	500 mL 1 L	301176 301177
β-Glucuronidase Reagent Pack	6 months when Reagent A is stored at 4°C and Reagent B is stored at -20°C	<ul style="list-style-type: none"> • Allows for better detection of total Lorazepam with Benzodiazepine • Group (Oxazepam/ Clonazepam) Kit 	Single reagent pack	301605
NeoSal® Buffer	30 months when stored at room temperature (15–25°C)	<ul style="list-style-type: none"> • Designed to stabilize oral fluid specimens following collection and during transit, it can also be used to dilute additional oral fluid samples in preparation for immunoassay 	500 mL 1L	120176 120177

Automated Equipment

We offer a line of automated equipment for use with our ELISA test kits.

Semi-Automated System

Instrument
50 TS Plate Washer
TS Plate Reader

Fully-Automated System

Instrument	No. of Plates	Maximum Controls	Maximum Samples	Washer/Reader	Maximum Assays/Plate	Process Time (hours)
DS2	2	24	100	Integrated	Up to 12	2.5–4.5
DSX	4	33	98	Integrated	Up to 12	2.5–4.5

**variable based on drug panels*

The DSX Automated Four-Plate ELISA System and the DS2 Automated Two-Plate ELISA System were developed for small to medium-throughput processing of ELISAs with advanced automation and precise liquid-handling capabilities. Our specially-designed Single Line Reporting Software enhances the DSX Revelation and DS2 Matrix software's reporting capabilities.

Our representatives can assist in selecting the best automated solution for your needs.



Neogen ELISA Drug Detection

Cross-Reactivity Data

6-AM #134019

6-Acetylmorphine	100%
Levorphanol	0.6%
Morphine	0.04%
Heroin	0.04%
Norcodeine	0.03%

Acetaminophen #132419

Acetaminophen	100%
Procainamide	2%
Ethyl P-Aminobenzoate	1%
Oxyphenbutazone	0.7%
Penicillin G-Procaïne	0.3%
Procaine	0.1%
Methylene Blue	0.09%

Amphetamine Specific-2 #132319-2

D-Amphetamine	100%
(±)-MDA	100%
P-Methoxyamphetamine	91%
Phentermine	35%
P-Hydroxyamphetamine	33%
A-Ethyltryptamine	19%
4-Fluoroamphetamine	16%
l-Amphetamine	1.4%
Phenethylamine	0.7%
Mephentermine	0.6%
2-Phenylethylamine	0.6%
P-Methoxymethamphetamine	0.5%
(±)-MDMA	0.4%
Dimethoxybromoamphetamine (DOB)	0.1%
D-Methamphetamine	0.1%
Metaraminol	<0.06%
Phenylpropanolamine	<0.06%
1R,2S(-) Ephedrine	<0.06%
S,S(+)-Pseudoephedrine	<0.06%
(+)-N,N-Diethylnorephedrine	<0.06%
Ethcathinone (N-Ethylnorephedrine)	<0.06%
(±) N-Ethylcathinone Ephedrine	<0.06%
Diethylpropion (Amfepramone)	<0.06%

Amphetamine Ultra #130819

D-Amphetamine	100%
N-desmethylelegiline	906%
Fenproporex	731%
D-Methamphetamine (-)-Ephedrine	688%
Fenfluramine	49%
Mephentermine	33%
Hydroxybupropion	25%
Nylidrin	15%
4-Fluoroamphetamine	14%
l-Amphetamine	13%
Phenylpropanolamine	7%
Phentermine	6%
Meta-Chlorophenylpiperazine (mCPP)	6%
Isosuprine	6%
l-Methamphetamine	4%
Benzphetamine	4%
Methylhexanamine	2%
R(+)-Methcathinone	2%
(+/-)-MDMA	1%
(+/-)-Pseudoephedrine	1%
Fencamfamine	1%
α-Ethyltryptamine	0.8%
S(-)-Methcathinone	0.7%
S(-)-Cathinone	0.6%
2-Aminoheptane	0.6%
Phenethylamine	0.5%
4-Hydroxyamphetamine	0.5%
Selegiline	0.4%
(+/-)MDA	0.4%
Phendimetrazine	0.4%
DOM	0.3%
Clenbuterol	0.3%
Metaraminol	0.2%
P-Methoxymethamphetamine	0.2%
Salvinorin A	0.2%
P-Methoxyamphetamine	0.1%
DOB	0.1%
Amfepramone	0.06%
Mephedrone	0.04%
Hordeanine	0.03%
Pyrimethamine	0.03%
Aminorex	0.03%
Nicotine	0.02%
Amtryptiline	0.02%
Quinidine	0.02%
Imipramine	0.01%
Nortriptyline	0.01%
(+/-) Synephrine	0.01%

Barbiturate Group #130619

Secobarbital	100%
Amobarbital	757%

Phenobarbital	469%
P-OH Phenobarbital	316%
Barbital	239%
Butobarbital	131%
Allobarbital	117%
Butalbital	109%
Aprobarbital	98%
Pentobarbital	95%
Mephobarbital	0.3%
Methylene Blue	0.1%
Glutethamide	0.1%

Benzodiazepine Group (Oxazepam/Clonazepam) #130119

Oxazepam	100%
Flualprazolam	467%
Diazepam	434%
Estazolam	365%
Nordiazepam	361%
Alprazolam	346%
Bromazolam	328%
Tetrazepam	264%
Flurazepam	262%
Lubromazolam	253%
Lormetazepam	231%
Przepam	198%
Temazepam	192%
Phenazepam	190%
Halazepam	173%
Triazolam	171%
7-Amino-Flunitrazepam	147%
Diclozepam	142%
Nitrazepam	141%
Clonazolam	120%
Flubromazepam	120%
N-Desmethyl Flunitrazepam	119%
Delorazepam	115%
Flunitrazepam	110%
Adinazolam	109%
Pyrazolam	106%
3-hydroxy Phenazepam	104%
Etizolam	87%
Bromazepam	85%
Clonazepam	79%
Nimetazepam	74%
Lorazepam	70%
Midazolam	65%
Deschloroetizolam	63%
Clobazam	59%
8-Aminoclonazepam	57%
7-Amino-Clonazepam	39%
Alpha-Hydroxy Alprazolam	25%
Chlordiazepoxide	19%
Nifoxipam	12%
Bentazepam	11%
Meclonazepam	4.7%
Alpha-hydroxy Etizolam	1.1%
Zolazepam	0.6%

Buprenorphine #131919

Buprenorphine	100%
Diprenorphine	110%
Norbuprenorphine	15%
Etorphine	0.22%
Butorphanol	0.16%
Naltrexone	0.05%
Thebaine	0.02%
Nalorphine	0.02%

Carisoprodol #132519

Carisoprodol	100%
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Celecoxib #180719

Celecoxib	100%
Celecoxib Carboxylic Acid	143%
Deracoxib	56%

Cocaine/Benzoyllecgonine-2 #130319-2

Benzoyllecgonine	100%
M-Hydroxycocaine	150%
Cocaine	75%
Cocaethylene	50%
Ecgonine	0.9%
Norbenzoyllecgonine	0.5%
Ecgonine Methyl Ester	0.4%
Methylene Blue	0.3%
Norcocaine	0.2%
Anhydroecgonine Methyl Ester	0.2%

Cotinine #182219

(-) Cotinine	100%
(+/-) Trans-3'-Hydroxycotinine (R/S) Norcotinine	6.5%
	1.4%

Fentanil Group #100519

Alfentanil	100%
Sufentanil	270%

Norsufentanil	119%
Carfentanil	88%
α-Methylthiofentanyl	83%
Remifentanil	76%
Fentanyl	2%
Acrylfentanyl	1.8%
Thienylfentanyl	1%
α-Methylfentanyl	0.77%
Acetyl fentanyl	0.75%
Cyclopropylfentanyl	0.53%
β-Hydroxyfentanyl	0.41%
β-Methylfentanyl	0.35%
β-Hydroxythiofentanyl	0.29%
Butyrylfentanyl	0.27%
P-Fluorofentanyl	0.19%
Benzylfentanyl	0.18%
Furanylfentanyl	0.09%
3-Methylfentanyl	0.08%
4-Fluorobutyrylfentanyl	0.06%
P-Chlorisobutyrylfentanyl	0.06%
Norfentanyl	0.04%
Methoxyacetyl fentanyl	0.03%
Valerylfentanyl	0.03%
Furanylfentanyl	0.02%
Ocfentanil	0.02%
Cyclopentylfentanyl	0.02%

Fentanyl #131519

Fentanyl	100%
Acrylfentanyl	215%
Valerylfentanyl	208%
Methoxyacetyl fentanyl	184%
Furanylfentanyl	180%
P-Fluorofentanyl	136%
p-Methylacetyl fentanyl	117%
Ocfentanil	112%
o-Fluorofentanyl	112%
Benzoylfentanyl	103%
Butyrylfentanyl	96%
4-Fluorobutyrylfentanyl	76%
Cyclopropylfentanyl	68%
Thiofentanyl	67%
Isobutyrylfentanyl	66%
Fluoroisobutyrylfentanyl	59%
P-Chlorisobutyrylfentanyl	53%
3-Methylfentanyl	50%
Cyclopentylfentanyl	45%
Furanylfentanyl	45%
Acetyl fentanyl	42%
p-Methoxybutyrylfentanyl	40%
Tetrahydrofuranlylfentanyl	34%
A-Methylfentanyl	11%
Carfentanil	6%
β-Methylfentanyl	4.2%
A-methylthiofentanyl	3.9%
β-hydroxyfentanyl	3.2%
β-hydroxythiofentanyl	2%
Despropionylfentanyl	0.61%
4-ANPP	0.48%
Lofentanil	0.20%
Sufentanil	0.15%
Benzylfentanyl	0.04%
Norfentanyl	0.01%

Ibuprofen #180219

Ibuprofen	100%
Flurbiprofen	0.3%
Fenoprofen	0.06%
Indoprofen	0.02%
Suprofen	0.01%

Ketamine #131719

Ketamine	100%
Norketamine	5.1%
Methoxetamine	0.08%

LSD #130219

LSD	100%
LAMPA	153%
Fentanyl	56%
Nor-/Nor-iso-LSD	36%
Acetyl Fentanyl	13%
Iso-LSD	2.6%
2-oxo-3-OH LSD	2%
2-oxo-3-OH LAMPA	1%
Norfentanyl	1.0%
Lobeline	0.08%
Clenbuterol	0.07%
Methylene Blue	0.06%
Procaineamide	0.02%

Meperidine #131219

Meperidine	100%
Normeperidine	5%
Anileridine	2%
Diphenoxylate	0.1%

Methadone #131619

Methadone	100%
LAAM	113%
Propiomazine	0.06%
Trimeprazine	0.04%
Promethazine	0.04%
EDDP	0.03%
Trimipramine	0.02%
Imipramine	0.01%
Orphenadrine	0.01%
Acepromazine	0.01%
Amitriptyline	0.01%
Prochlorperazine	0.01%
Promazine	0.01%
Chlorpromazine	0.01%
Methotrimeprazine	0.01%

Methadone/LAAM #132919

Methadone	100%
LAAM	107%
Dextromethorphan	0.18%
Promethazine	0.15%
Trimeprazine	0.11%
Trimipramine	0.09%
EDDP	0.04%
Promazine	0.04%
Propiomazine	0.03%
Acepromazine	0.03%
Chlorpromazine	0.03%
Imipramine	0.02%
Doxepin	0.02%
Orphenadrine	0.02%
Amitriptyline	0.02%
Prochlorperazine	0.01%
Methotrimeprazine	0.01%
Meperidine	0.01%

Meprobamate #133419

Meprobamate	100%
Meprobamate-N-β-Glucuronide	376%
Carisoprodol	41%

Methamphetamine/MDMA #130919

D-Methamphetamine	100%
PMMA (P-Methoxymethamphetamine)	1400%
MDMA (3,4-Methylenedioxy-methamphetamine)	212%
P-Hydroxymethamphetamine	77%
MDEA (Methylenedioxyethylamphetamine)	54%
Mephentermine	13%
Propylhexedrine	9%
Methoxyphenamine	8%
Fenfluramine	7%
N-desmethylelegiline	7%
PMA (P-Methoxyamphetamine)	4%
Ephedrine	2%
4-Fluoroamphetamine	2%
l-Methamphetamine	2%
Mephedrone	2%
MDA (3,4-Methylenedioxyamphetamine)	2%
Pseudoephedrine	1%
4-Hydroxyamphetamine	0.6%
D-Amphetamine	0.6%
Phenethylamine	0.5%
α-Ethyltryptamine	0.2%
(+/-) Synephrine	0.2%
Phentermine	0.2%
Hordeanine	0.2%
Methylhexanamine	0.1%
Nortriptyline	0.1%
PPA (Phenylpropanolamine)	0.1%
Hydroxy Bupropion	0.04%
Penicillin G-Procaïne	0.04%
Fenproporex	0.04%
Procaine	0.02%
Doxepin	0.01%

Methylphenidate/Ritalinic Acid #134219

Methylphenidate	100%
Ritalinic Acid	13.9%
Ethylphenidate	368%
Isosuprine	0.39%
Pyrilamine	0.24%
Imipramine	0.04%
Doxepin	0.02%

Opiate Group #130419

Morphine	100%
6-Acetylcodeine	195%
Codeine	190%
Morphine-3-Glucuronide	154%
Heroin/Diacetylmorphine	154%
6-Acetylmorphine	146%

Neogen ELISA Drug Detection

Cross-Reactivity Data

Hydrocodone	122%	MAM 2201	30%	Oral Fluid Kits		Benzoylcgonine	205%
Ethylmorphine	110%	THJ-2201	24%	Cocaine Oral Fluid #120119		Tropacocaine	6.94%
Nalorphine	76%	PB-22 N-(5-Hydroxypentyl) Metabolite	23%	Benzoylcgonine	100%	Ecgonine	2.16%
Hydromorphone	66%	JWH-018 6-Hydroxyindole Metabolite	21%	M-Hydroxybenzoylcgonine	140%	Ecgonine Methyl Ester	1.56%
Dihydrocodeine	65%	5-Fluoro PB-22	19%	Cocaethylene	59%	Norbenzoylcgonine	0.89%
Morphine-6-Glucuronide	37%	PB-22 N-(4-Hydroxypentyl) Metabolite	19%	Cocaine	58%	Norcoaeethylene	0.69%
Desomorphine	22%	1' Naphthoyl Indole	18%	Tropacocaine	4%	Anhydroecgonine Methyl Ester	0.50%
Thebaine	11%	JWH-018 5-Hydroxyindole Metabolite	16%	Ecgonine	1%	Norcoaine	0.32%
Levallorphan	7%	PB-22 N-Pentanoic Acid	14%	Norbenzoylcgonine	0.5%	Anhydroecgonine	<0.13%
Naloxone	2%	JWH-019	14%	Ecgonine Methyl Ester	0.5%	Atropine	<0.13%
Oxycodone	2%	THJ-018	13%	Methylene Blue	0.3%		
Levorphanol	2%	JWH-007	11%	Anhydroecgonine Methyl Ester	0.2%	Methamphetamine/MDMA-2	
Oxymorphone	1%	PB-22	11%	Norcoaine	0.2%	Hair #140219-2	
Imipramine	0.4%	JWH-018 4-Hydroxyindole Metabolite	10%			S (+) Methamphetamine	100%
Norcodeine	0.3%	JWH-122	10%	Methamphetamine Oral Fluid		PMMA	286%
Trimipramine	0.3%	(+) WIN 55212-2 (Mesylate)	8%	#120219		(+/-) MDMA	167%
Rifampicin	0.22%	JWH-081	7%	S (+) Methamphetamine	100%	P-Hydroxymethamphetamine	71%
Normorphine	0.2%	BB-22	6%	PMMA (P-Methoxymethamphetamine)	367%	(+/-) MBDB	50%
Naltrexone	0.2%	AM 2201 N-(4-Hydroxypentyl) Metabolite	6%	(+/-) MDMA (3,4,-Methylene-dioxymethamphetamine)	97%	(+/-) MDEA	20%
Levofloxacin	0.7%	JWH-398	4%	P-Hydroxymethamphetamine	52%	Mephentermine	9%
Acepromazine	0.05%	JWH-210	1%	(+/-) MBDB (1,3-Benzodioxolyl-N-Methylbutanamine)	43%	(+/-) 4-Hydroxyephedrine	6%
Meperidine	0.02%	AM 694	1%	(+/-) MDEA (Methylenedioxyethylamphetamine)	9%	1R,2S (-) Ephedrine	3%
Chlorpromazine	0.02%	RCS-4 N-(5-Hydroxypentyl) Metabolite	0.8%	(+/-) HMMA (4-Hydroxy-3-Methoxymandelic Acid)	4%	(-) Methamphetamine	2%
Promazine	0.01%	RCS-4	0.7%	PMA (p-Methoxyamphetamine)	3%	PMA	2%
		MMB-Fubinaca	0.4%	Hydroxyephedrine	2%	(+/-) MDA	1%
Oxycodone/Oxymorphone #130719		XLR11 N-(4-Hydroxybutyl) Metabolite	0.01%	Mephentermine	5%	Fenfluramine	1%
Oxycodone	100%	(+/-) CP 47,497-C8 homolog	<0.004	(+/-) Amphetamine	0.9%	(+) Pseudoephedrine	1%
Oxymorphone	88%	(-) CP 47,497	<0.004	(+) Amphetamine	0.6%	Methoxyphenamine	0.7%
Hydrocodone	27%	(+) CP 47,497 C-7 Hydroxy Metabolite	<0.004	Fenfluramine	0.5%	(-) Amphetamine	0.3%
Hydromorphone	21%	UR-144	<0.004	Herdenine	0.5%	(+) Amphetamine	0.2%
Ethylmorphine	7%	UR-144 N-(5-Hydroxypentyl) Metabolite	<0.004	Methoxyphenamine	0.5%	Nortriptyline	0.1%
Codeine	5%	UR-144 N-Pentanoic Acid	<0.004	(+) Pseudoephedrine	0.5%	Herdenine	0.1%
Thebaine	3%	XLR11	<0.004	Phentermine	0.1%		
6-Acetylcodeine	3%	AKB48	<0.004	Nicotine	0.1%	Opiates Hair #140319	
Noroxycodone	2%	AKB48 N-(5-Fluoropentyl) Analog	<0.004	R (+) Methcathinone	0.1%	Morphine	100%
6-Acetylmorphine	2%	HU-210	<0.004			Dihydrocodeine	243%
Levorphanol	2%	BB-22 3-Carboxyindole Metabolite	<0.004	Opiates Oral Fluid #120319		Heroin	142%
Heroin	2%	PB-22 3-Carboxyindole Metabolite	<0.004	Morphine	100%	Codeine	121%
Morphine	1%	STS-135 RM	<0.004	Ethylmorphine	162%	6-Acetylmorphine	85%
Noroxymorphone	0.2%	MDMB-4en-PINACA	<0.004	Codeine	136%	Morphine-6-Glucuronide	8%
Meperidine	0.03%			6-Acetylcodeine	103%	Morphine-3-Glucuronide	8%
		Synthetic Cathinones (Methcathinone) #181819		6-Acetylmorphine	86%	Hydrocodone	5%
Phencyclidine (PCP) #130519		R(+) Methcathinone	100%	Heroin/Diacetylmorphine	86%	Hydromorphone	3%
Phencyclidine	100%	Mephedrone	167%	Dihydrocodeine	39%	Oxycodone	0.06%
4-MeO PCP	120%	Methylone	120%	Morphine-6-β-D-Glucuronide	35%	Oxymorphone	0.04%
3-MeO PCP	51%	Buphedrone	103%	Dihydromorphine	28%	Dihydrocodeine	120%
4-Hydroxyphencyclidine	2%	4-Fluoromethcathinone (Flephedrone)	94%	Morphine-3-β-D-Glucuronide	25%	Oxymorphone	20%
Venlafaxine	0.18%	3-Fluoromethcathinone (±) Methcathinone	75%	Thebaine	23%	Dihydrocodeine	12%
Cyclobenzaprine	0.12%	Ethylone (bk-MDEA)	43%	Hydrocodone	17%	6-Acetylcodeine	8%
Orphenadrine	0.04%	Ethcathinone	40%	Hydromorphone	12%	Codeine	7%
Amitriptyline	0.03%	4-Methylethcathinone	35%	Levorphanol	5%	Ethylmorphine	6%
Promazine	0.03%	Pentylone	2%	Nalorphine	4%	Hydromorphone	5%
Nortriptyline	0.02%	Eutylone	2%	Oxymorphone	0.2%	Heroin	2%
Chlorpromazine	0.02%	Pentedrone	1%	Oxycodone	0.2%	Dihydromorphine	2%
Imipramine	0.02%	R(+) Cathinone	0.43%	Norcodeine	0.2%	Levorphanol	2%
Doxepin	0.01%	S(+/-) Methamphetamine	0.088%	Meperidine	0.1%	6-Acetylmorphine	2%
Methoxetamine	0.01%	(±) MBDB (Butylone)	0.055%	Diprenorphine	0.1%	Morphine	1%
Methylene Blue	0.01%	(-) (S)-Cathinone	0.050%	Normorphine	0.1%	Noroxycodone	1%
Trimipramine	0.01%	1R,2S(-) Ephedrine	0.043%	Norbuprenorphine	<0.4%	Thebaine	0.8%
Acepromazine	0.01%	1S,2R(+) Ephedrine	0.012%	Buprenorphine	<0.4%	Morphine-3-Glucuronide	0.2%
		MDMA	0.01%	Noroxymorphone	<0.4%	Naloxone	0.1%
Propoxyphene #131119		Diethylpropion	0.006%			Morphine-6-Glucuronide	<1.5%
Propoxyphene	100%	(±) N-Ethylcathinone Ephedrine	0.006%	PCP Oral Fluid #120419		Norbuprenorphine	<1.5%
Norpropoxyphene	30%	R,R(-) Pseudoephedrine	0.005%	PCP	100%	Buprenorphine	<1.5%
		MDPV	<0.003%	Metaphit	200%	Noroxymorphone	<1.5%
Synthetic Cannabinoids (JWH-250) #133719		PVP	<0.003%	4-Methoxy PCP (Hydrochloride)	100%	Nalorphine	<0.2%
JWH-250	100%	(±) MDA	<0.003%	PCPr (Hydrochloride)	4%	Normorphine	<0.2%
JWH-250 N-(5-Carboxypentyl) Metabolite	160%	R(-) Amphetamine	<0.003%	PCP Morpholine	3%	Diprenorphine	<0.2%
JWH-250 N-(5-Hydroxypentyl) Metabolite	158%	(+) Norpseudoephedrine	<0.003%	4-Hydroxy PCP	0.2%	Dextromethorphan	<0.2%
JWH-250 N-(4-Hydroxypentyl) Metabolite	123%	(+) N,N-Diethylnorephedrine	<0.003%	PCMPA (Hydrochloride)	0.2%	Naltrexone	<0.2%
JWH-073 N-(4-Hydroxybutyl) Metabolite	107%	(±) Phenylpropanolamine	<0.003%	Furosemide	0.03%	Naltriben	<0.2%
JWH-018 N-(5-Hydroxypentyl) Metabolite	104%	Naphyrone	<0.003%	Promazine	0.02%	Nalmefene	<0.2%
JWH-073	94%	S,S(+)-Pseudoephedrine	<0.003%	Acepromazine	0.02%	Apomorphine	<0.2%
(+)-JWH-018 N-(4-Hydroxypentyl) Metabolite	90%					3-Methoxy-Naltrexone	<0.2%
AM 2232	90%	THC #131019					
AM 1220	86%	Δ9-THC-COOH	100%	PCP-2 Hair #140519-2		Phencyclidine	100%
JWH-200	84%	Δ8-THC-COOH	88%	Phencyclidine	100%	4-Methoxy PCP (Hydrochloride)	21.8%
JWH-203	76%	11-OH-Δ9-THC	13%	Metaphit	15.5%	Metaphit	15.5%
JWH-018 N-Pentanoic Acid	64%	Δ8-THC	5%	4-Methoxy PCP (Hydrochloride)	1.61%	PCPr (Hydrochloride)	1.61%
β-D-Glucuronide	59%	Δ9-THC	4%	PCMPA (Hydrochloride)	1.58%	Phencyclidine Morpholine	1.58%
JWH-015	59%	Cannabinol	2%	4-Hydroxy-Phencyclidine	0.21%	PCMPA (Hydrochloride)	0.18%
JWH-250 5-Hydroxyindole Metabolite	55%	Cannabidiol	0.01%	Imipramine	0.06%	4-Hydroxy-Phencyclidine	0.21%
AM 2201	54%	Tramadol #131819					
JWH-073 N-butanolic acid metabolite	53%	Tramadol	100%	THC Oral Fluid #120519		THC Hair #140619	
JWH-022	47%	O-Desmethyl Tramadol	22%	(-) Δ9-THC	100%	D9-THC	100%
JWH-018	33%	N-Desmethyl Tramadol	7%	11-Nor-9-Carboxy-Δ8-THC	252%	(-) 11-Nor-D8-THC-9-COOH	150%
AM 2201 6-Hydroxyindole Metabolite	33%	N,N-Bisdesmethyl Tramadol	5%	(+/-) 11-Hydroxy-Δ9-THC	146%	(-) 11-Nor-D9-THC-9-COOH	150%
RCS-8	33%	Zolpidem #132619		(-) 11-Nor-9-Carboxy-Δ9-THC	138%	(+/-) 11-Hydroxy-D9-THC	107%
		Zolpidem	100%	(+/-) 11-Nor-9-Carboxy-Δ9-THC	87%	(+/-) 11-Nor-D9-THC-9-COOH	83%
		Carboxy-Zolpidem	0.02%	(-) Δ8-THC	62%	D8-THC	71%
				Cannabinol	22%	Cannabinol	44%
				Hair Kits		Cannabidiol	0.03%
				Cocaine Hair #140119			
				Cocaine	100%		
				M-Hydroxybenzoylcgonine	481%		
				Cocaethylene	205%		

