



CLINICAL DRUG TESTING

Labcorp ToxAssure[®] Flex

Test options to help monitor a wide range
of patients and medication use



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Labcorp's ToxAssure Flex portfolio is designed to assist you as you care for patients taking controlled substances. Our ToxAssure Flex test options are intended to monitor medication compliance, as well as to identify potentially dangerous drug interactions.

Our menu includes presumptive, presumptive with reflex to definitive, and definitive testing options. Our ToxAssure Flex portfolio employ the most appropriate methodology for each drug class given the technical performance and the clinical utility of testing.

This innovative approach to building panels provides a cost-effective way to achieve reliable results for each patient.

- Presumptive-only testing is used for compounds that are very reliable on immunoassay
- Presumptive with reflex to definitive testing is utilized for most drug classes to help confirm immunoassay results and rule out false positive from cross-reactive compounds.
- Definitive-only testing is utilized for drug classes where the immunoassay is not reliable, the detection threshold is not acceptable for prescribed doses, or routine immunoassay testing does not exist



Service Beyond Testing

Our toxicology experts are available to you and your staff

Clinical Drug Testing Support Line

877-474-5767

clinicaldrugtesting@labcorp.com

Extensive menu: Testing for more than 200 drug compounds, including D/L isomers, Xylazine and other synthetic drugs.

Blood and oral fluid test options: Available for patients who are unable to provide urine samples

Test Name	ToxAssure Flex 16	ToxAssure Flex 24	
Test No.	912460	912470	912453
Prescribed medication interpretation report	Included	Included	Included
Test methodology	Presumptive (P), Presumptive with reflex to definitive (P rfx D) or Direct to definitive (DD) depending on the drug class		
Immunoassay performed and CPT 80307 billed	Yes	Yes	Yes
No. of definitive tests performed	3 plus additional if reflexed	6 plus additional if reflexed	6 plus additional if reflexed
Specimen	30 mL random urine; Minimum: 3 mL		
Container	Urine container with temperature strip. 90 mL snap lid with bag (No. 106494)		
Specimen validity testing	Creatinine with normalized drug concentration plus proprietary urinary biomarker testing		

Drug Classes		ToxAssure Flex 16, 912460	ToxAssure Flex 24, 912470	ToxAssure Flex 24, 912453	Presumptive Detection Threshold	Definitive Detection Thresholds	Drug Metabolites Included
6-Acetylmorphine*		P rfx D	P rfx D	P rfx D	10 ng/mL	10 ng/mL	6-acetylmorphine
Alcohol*	Alcohol, Ethyl*	P	P	P	0.02 g/dL		ethyl alcohol
	Ethanol biomarkers*		P rfx D	P rfx D	0.020 ng/mL	500 ng/mL 250 ng/mL	ethyl glucuronide (ETG) ethyl sulfate (Ets)
Amphetamines*		P rfx D	P rfx D	P rfx D	300 ng/mL	50 ng/mL	methamphetamine, amphetamine, methylenedioxyamphetamine (MDMA), methylenedioxyamphetamine (MDA)
Barbiturates		P rfx D	P rfx D	P rfx D	200 ng/mL	200 ng/mL	amobarbital, barbital, butobarbital, butalbital, mephobarbital, pentobarbital, phenobarbital, secobarbital, thiopental
Benzodiazepines*		DD	DD	DD		20 ng/mL	alprazolam, alpha-hydroxyalprazolam, chlordiazepoxide (as metabolites desmethyldiazepam and oxazepam), clonazepam, 7-aminoclonazepam, clorazepate (as metabolites desmethyldiazepam and oxazepam), desalkylflurazepam, diazepam, desmethyldiazepam, flunitrazepam, desmethylflunitrazepam, lorazepam, midazolam, alpha-hydroxymidazolam, oxazepam, temazepam, alpha-hydroxytriazolam
Buprenorphine*		DD	DD	DD		1 ng/mL 5 ng/mL	buprenorphine norbuprenorphine
Cannabinoids (THC)*		P rfx D	P rfx D	P rfx D	20 ng/mL	2 ng/mL	total metabolites, Δ9-carboxy-tetrahydrocannabinol (carboxy-THC)
Cocaine & Metabolite*		P rfx D	P rfx D	P rfx D	150 ng/mL	50 ng/mL	cocaine, benzoylecgonine, cocaethylene
Fentanyl & Analogues*		DD	DD	DD		1 ng/mL 5 ng/mL	fentanyl norfentanyl, sufentanil, alfentanil
Ketamine			DD	DD		300 ng/mL	ketamine, norketamine
Kratom				P rfx D	5 ng/mL	10 ng/mL	7-hydroxymitragynine
Meperidine			P rfx D	P rfx D	200 ng/mL	50 ng/mL	meperidine, normeperidine
Methadone*		P rfx D	P rfx D	P rfx D	100 ng/mL	50 ng/mL	methadone, EDDP (methadone metabolite)
Opiate Class*		P rfx D	P rfx D	P rfx D	100 ng/mL	50 ng/mL	codeine, norcodeine, dihydrocodeine, hydrocodone, norhydrocodone, hydromorphone, morphine, normorphine
Oxycodone Class*		P rfx D	P rfx D	P rfx D	100 ng/mL	50 ng/mL	oxycodone, oxymorphone, noroxycodone, noroxymorphone
Tapentadol*		P rfx D	P rfx D	P rfx D	200 ng/mL	50 ng/mL	tapentadol
Tramadol*		P rfx D	P rfx D	P rfx D	200 ng/mL	50 ng/mL	tramadol, o-desmethyltramadol, n-desmethyltramadol
Phencyclidine (PCP)		P rfx D	P rfx D	P rfx D	25 ng/mL	25 ng/mL	phencyclidine (PCP)
Propoxyphene			P rfx D	P rfx D	300 ng/mL	150 ng/mL	propoxyphene, norpropoxyphene
Analgesics/ NSAIDS	Acetaminophen		P	P	5 ug/mL	1 µg/mL	acetaminophen
						0.5 ug/mL 1 µg/mL 3 mg/dL	diclofenac, ketoprofen ibuprofen, naproxen, oxaprozin salicylate
Anticonvulsants	Gabapentin		P rfx D	P rfx D	1 µg/mL	1 µg/mL	gabapentin
						50 ng/mL 300 ng/mL 1.0 µg/mL	clobazam, tiagabine carbamazepine ezogabine (retigabine), lamotrigine, levetiracetam, oxcarbazepine MHD (10-monohydroxy metabolite), phenytoin, pregabalin, primidone, rufinamide, topiramate, zonisamide
Muscle Relaxants	Carisoprodol		P rfx D	P rfx D	100 ng/mL	300 ng/mL	carisoprodol, meprobamate
						50 ng/mL 300 ng/mL	cyclobenzaprine, desmethylcyclobenzaprine, metaxolone, orphenadrine, tizanidine baclofen, methocarbamol
Sedative/Hypnotics			DD	DD		5 ng/mL 50 ng/mL 100 ng/mL	zaleplon, zolpidem, zolpidem acid zopiclone/eszopiclone amino chloropyridine (zopiclone/eszopiclone breakdown product)
Sympathomimetics	Methylphenidate	P rfx D	P rfx D			100 ng/mL 300 ng/mL	methylphenidate ritalinic acid (methylphenidate metabolite)
						100 ng/mL 300 ng/mL	atomoxetine, diethylpropion, phenylpropanolamine methylenedioxyethylamphetamine (MDEA), ephedrine/ pseudoephedrine, methcathinone, phenmetrazine, phentermine
Additional Miscellaneous Compounds	Dextromethorphan		DD	DD		100 ng/mL	dextromethorphan, dextrorphan/levorphanol
						50 ng/mL 100 ng/mL 300 ng/mL 1.0 µg/mL	benztropine, clonidine verapamil atenolol, diltiazem, guaifenesin, metoprolol, milnacipran, propranolol, theophylline caffeine (large amounts)

*Denotes drug classes that are reported quantitatively

Note: d- and l-methamphetamine stereoisomer testing can be added, by request or by reflex, when methamphetamine is positive

