

LAC+USC Core Lab - Urine Drugs of Abuse Screening Tests
Updated 11/14/2017

Urine Immunoassay Screening Test	Compounds the test is designed to detect (high reactivity)	Other compounds with known minor to moderate cross-reactivity	Limit of detection (cut-off for a qualitative positive result)	Estimated urine detection window (varies)	Reference lab confirmatory method
Amphetamines, Qual	Amphetamines and Methamphetamines, including MDMA (i.e. ecstasy), PMA, PMMA, MDA, d-methamphetamine, d-amphetamine (i.e. Adderall), MBDB HCl, MDEA	BDB HCl, meta-Chlorophenylpiperazine, 1-Methyl-3-phenylpropylamine, l-Methamphetamine	500 ng/mL (calibrated with d-methamphetamine)	12-24 hours	Call the lab for an add-on to the urine sample at 323-409-7023 (Quest test code #14742, GC/MS)
Barbiturates, Qual	Secobarbital, cyclopentobarbital, aprobarbital	Butalbital, allobarbital, butabarbital, pentobarbital, amobarbital, phenobarbital, p-Hydroxyphenobarbital, barbital	200 ng/mL (calibrated with secobarbital)	Short-acting barbs: 24 hours Long-acting barbs: 2-3 weeks	N/A Can submit RED TOP serum sample for quantitation of <i>pentobarbital</i> by ordering in Orchid: Pentobarbital Lvl-SO (Quest test code #700, Chromatography)
Benzodiazepines, Qual	Nordiazepam, flubromazepam, 3-OH-flubromazepam, clonazolam, flubromazolam, diclazepam, pyrazolam, etizolam, demoxepam, diazepam, alprazolam, estazolam, bromazepam, nitrazepam, triazolam, oxazepam, clobazam, clorazepate	Bentazepam, meclonazepam, nifoxipam, flunitrazepam, temazepam, chlordiazepam, clonazepam, lorazepam	100 ng/mL (calibrated with nordiazepam)	4-6 weeks after extended use	N/A Can submit RED TOP serum sample for quantitation of <i>clonazepam</i> by ordering in Orchid: Clonazepam-SO (Quest test code #340, LC/MS/MS)
Cannabinoids, Qual	delta-9-tetrahydrocannabinol-carboxylic acid (Δ^9 COOH-THC, major metabolite of marijuana)	9-carboxy-11-nor- Δ^8 THC, 9-carboxy-11-nor- Δ^9 THC glucuronide, 8- β -11-dihydroxy- Δ^9 THC, 8- α -hydroxy- Δ^9 THC, 11-hydroxy- Δ^9 THC	50 ng/mL (calibrated with Δ^9 COOH-THC)	1 week to 2 months, depending upon usage pattern	N/A
Cocaine, Qual	Benzoylcegonine (primary cocaine metabolite)	N/A	300 ng/mL (calibrated with benzoylcegonine)	1-3 days	Call the lab for an add-on to the urine sample at 323-409-7023 (Quest test code #5530, GC/MS)
Opiates, Qual	Morphine and metabolites (ethyl morphine, diacetylmorphine), codeine, 6-acetylmorphine (heroin metabolite)	Dihydrocodeine, morphine-3-glucuronide, hydrocodone, thebaine, hydromorphone (i.e. Dilaudid)	300 ng/mL (calibrated with d-morphine)	Up to 3 days	Call the lab for an add-on to the urine sample at 323-409-7023 (Quest test code # 6232, GC/MS)
Oxycodone, Qual	Oxycodone and its metabolite, oxymorphone	N/A	100 ng/mL (calibrated with oxycodone)	Up to 3 days	Call the lab for an add-on to the urine sample at 323-409-7023 (Quest test code # 17125, LC/MS/MS)
PCP, Qual	PCP	Thienylcyclohexylpiperidine (TCP)	25 ng/mL (calibrated with PCP)	2 weeks or longer	Call the lab for an add-on to the urine sample at 323-409-7023 (Quest test code # 18974, LC/MS/MS)

NOTES:

1) **Methadone** will not be detected by any of the in-house drug screens. To detect methadone, must send separately as a send-out test (order through Orchid or call the lab for U Methadone Scrn Confirmation-SO, Quest test code #30468).

2) The in-house **Drug Of Abuse Screen, Urine** panel includes: amphetamines, barbiturates, benzodiazepines, cocaine, opiates, oxycodone, and PCP. This panel does NOT include cannabinoids. **Cannabinoids must be ordered separately.**

Questions regarding any of these tests should be directed to Pathology's Core Lab chemistry section directors:

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