

Urine Drugs of Abuse Testing Change



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On July 17, 2019, the ordering of urine drugs of abuse screening and the assays utilized for this testing will change. The current Urine Drug Screen 11 will no longer be orderable (ex. ED & Labor and Delivery). Through our partnership with Aspenti Health, Burlington Vermont (<https://aspenti.com/>) the screening options for urine drugs of abuse are expanding for UVMHN and our outreach clients. With this expansion of screening options, we are implementing changes to the ordering of urine drug screens. In coordination with our clinical colleagues, and to better match the Medicare Guidelines, we have designed specific panels so that screening may be tailored to the drug classes of interest and patient's clinical situation and/or usage history. These changes and the new panels are explained below.

Improvements to urine drug screening by using the new order panels and tests available at Aspenti Health:

1. Specimen validity testing is now available for all routine urine drug screens in the inpatient and outpatient arenas to detect possible sample adulteration.
2. The opioids panel at Aspenti Health includes testing for Fentanyl, whereas the UVMHC in-house system does not have this capability.
3. The opioids panel at Aspenti Health separates out detection for the heroin metabolite 6-AM from the general opiate testing, whereas the UVMHC in-house system cannot differentiate between morphine and the heroin metabolite 6-AM in the opiates test.
4. The benzodiazepine screening assay at Aspenti Health has increased sensitivity to Clonazepam, Lorazepam, Midazolam, and Oxazepam compared to the UVMHC in-house system.
5. The screens through Aspenti Health allow detection of Methadone Metabolite (EDDP), Tapentadol, Tramadol, Alcohol Metabolite (EtG), Zolpidem, Cotinine, Carisoprodol, and Synthetic Cannabinoids. The UVMHC in-house system does not detect these compounds.

Improving utilization with the new order panels:

1. Tailor your ordering to the needs and clinical scenario of your patient.
2. Only use as broad of a screen as necessary for your patient.

For Example: Your patient is stable in medication assisted treatment and when using prefers opioids and benzodiazepines. For most visits, it would be appropriate to order the Opioid and Depressant Co-use Panel, Urine. It would be reasonable to order one of the polysubstance panels a few times per year to ensure the patient hasn't experienced transference to another drug class, like stimulants.

NEW URINE DRUG SCREEN ORDER PANELS**Drug Screen, STAT** (2 order options)

- For the Emergency Department and Labor & Delivery preference lists only
- STAT Priority

Drug Screen, Routine (10 order options)

- For inpatients and Ambulatory Clinics
- Routine Priority

DRUG SCREEN, STAT (EMERGENCY DEPARTMENT AND LABOR & DELIVERY ONLY)

These screens are only available to the Emergency Department and Labor & Delivery.

When Drug Screen, STAT is ordered 2 options will appear

Option 1

Test Name: Drug Screen 11, Urine

Test Code: UDS11

Test Schedule / Analytical Time / Test Priority: Daily / 24 Hours / Available STAT

Drugs Tested: opiates, oxycodone, buprenorphine, propoxyphene, methadone, benzodiazepines, barbiturates, THC, amphetamine, methamphetamine, and cocaine

Option 2

Test Name: Individual Drug Screens, Urine

Test Schedule / Analytical Time / Test Priority: Daily / 24 Hours / Available STAT

Drug Tests Available:

Test Name	Test Code
Amphetamine Screen, Urine	UAM2
Barbiturates Screen, Urine	UBAR2
Benzodiazepines Screen, Urine	UBNZ2
Buprenorphine and Metabolites Screen, Urine	BUP
Cannabinoids Screen, Urine	UCN2
Cocaine Metabolites Screen, Urine	UCOCA2
Methadone Screen, Urine	UMTD2
Methamphetamine Screen, Urine	MAMP
Opiates Screen, Urine (does NOT detect oxycodone, oxycontin or methadone)	UOP2
Oxycodone Screen, Urine	UOXY2
Phencyclidine (PCP) Screen, Urine	PCP
Propoxyphene Screen, Urine	PPX
Tricyclic Antidepressants Screen, Urine	TCA2

All of the testing in the order panel Drug Screen, STAT (ED/L&D only) will be performed at UVMCC in the main chemistry laboratory on the MEDTOX® Diagnostics MEDTOXScan® Immunochromatographic assay, which is our current methodology.

SPECIMEN INFORMATION FOR DRUG SCREENS STAT

Container	Specimen	Temperature	Collect Vol	Submit Vol	Min Vol	Stability
Clean Container	Random Urine	Refrigerate	50 mL	50 mL	2 mL	48 Hours

Pediatric minimum volume 1.0 mL, confirmation testing will not be available if less than 30 mL is submitted.

DRUG SCREEN, ROUTINE (FOR INPATIENTS AND AMBULATORY CLINICS)

There are ten options available for Drug Screen, Routine. All testing will be sent to Aspentti Health.

Test Schedule / Analytical Time / Test Priority: Monday—Friday / 24 Hours / NOT available STAT

Option	Test Name	UVMC Code
1	Specimen Tampering/Validity Panel, Urine (includes added oxidants, pH, specific gravity, and creatinine)	VALSCN
2	Opioids Panel, Urine (includes opioids, oxycodone, fentanyl, methadone metabolite EDDP, buprenorphine, and heroin metabolite (6-AM))	VOP6
3	Opioids Panel Extended, Urine (includes all of opioids panel plus propoxyphene, tapentadol, and tramadol)	VOP9
4	Depressants Panel, Urine (includes benzodiazepines, alcohol metabolite EtG, and zolpidem)	VDEP
5	Opioid and Depressant Co-use Panel, Urine (includes all of opioids panel and depressants panel)	VOPDEP
6	Stimulants Panel, Urine (includes amphetamines, cocaine metabolite benzylecgonine, and ecstasy MDMA)	VSTIM
7	Polysubstance Use Panel, Urine (includes all of opioids, depressants, and stimulants panels plus barbiturates)	VPOLY
8	Polysubstance Use Pregnancy Panel, Urine (includes all of polysubstance use panel plus cotinine and THC metabolites)	VPREG
9	Polysubstance Use Transplant Panel, Urine (includes all of polysubstance use panel plus cotinine and THC metabolites)	VKIDT
10	Individual Drug Screens, Urine	
	Alcohol Metabolite (EtG) Screen, Urine	VALC
	Amphetamines Screen, Urine	VAMP
	Barbiturates Screen, Urine	VBAR
	Benzodiazepines Screen, Urine	VBNZ
	Buprenorphine Screen, Urine	VBUP
	Carisoprodol Screen, Urine	VCAR
	Cocaine Metabolite (Benzylecgonine) Screen, Urine	VCOG
	Cotinine Screen, Urine	VCOT
	Ecstasy MDMA Screen, Urine	VECST
	Ethanol Screen, Urine	VEOH
	Fentanyl Screen, Urine	VFENT
	Heroin Metabolite (6-AM) Screen, Urine	V6AM
	Methadone Metabolite EDDP Screen, Urine	VMEDDP
	Methadone Screen, Urine	VMTH

Test Name	UVMHC Code
Individual Drug Screens, Urine - <i>Continued</i>	
Opioids Screen, Urine	VOPIAS
Oxycodone Screen, Urine	VOXY
Phencyclidine Screen (PCP), Urine	VPCP
Propoxyphene Screen, Urine	VPPX
Synthetic Cannabinoids Screen, Urine	SYNCAN
Tapentadol Screen, Urine	VTAP
THC Metabolites (Cannabinoids) Screen, Urine	VCAN
Tramadol Screen, Urine	VTRAM
Tricyclic Antidepressants Screen, Urine*	TCA2
Zolpidem Screen, Urine	VZOLP

SPECIMEN INFORMATION FOR DRUG SCREENS ROUTINE

Container	Specimen	Temperature	Collect Vol	Submit Vol	Min Vol	Stability
Clean Container	Random Urine	Refrigerate	50 mL	50 mL	2 mL	7 Days

Pediatric minimum volume 1.0 mL, confirmation testing will not be available if less than 30mL is submitted.

All of the testing in the order panel **Drug Screen, Routine** will be performed by Aspent Health except for the *Tricyclic Antidepressants Screen, Urine, which will be performed at the UVMHC laboratory.

This drug testing is subject to Medicare Local Coverage Determination (LCD) L36037-Urine Drug Testing (UVMHC Tests CPT: 80306 and Aspent Health Tests CPT: 80307).

Epic Users: In EPIC, all current orders will be removed except for POCT Drug Cup. In EPIC, all searches for Drug Screen and related synonyms including an individual drug or drug class will route to 1 of 2 order panels: Drug Screen Routine or Drug Screen STAT.

Atlas Users: Each of the individual drug panels contained in the Drug Screen, Routine order panel shown above, as well as the individual drug screens, will be available as stand-alone options

If you have any questions concerning this change please contact Dr. Clayton Wilburn (clayton.wilburn@uvmhealth.org) in the laboratory.

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