

Urine drug Point of Care Testing (POCT) is a presumptive or screening test method using antibodies to detect a drug or drug class in a sample.

Monitoring urine temperature at the time of collection is an important pre-analytical quality control step due to the risk of patients substituting or diluting the sample. POCT devices should have a built-in temperature monitoring strip. The temperature should be between 91°F and 100°F (32°C-38°C) within 5 minutes of collection.

Presumptive drug testing is fast and inexpensive to perform and works well to rule out drug presence in a sample. Presumptive testing does not identify which members of a drug class are present and the antibodies are not equally reactive to all members. Results are qualitative only. Presumptive testing can generate “false positive” results when the antibodies react with non-target compounds in the sample. Depending on the cut-off, presumptive testing may not be sensitive enough to detect prescribed drugs causing a “false negative” result.

Unexpected presumptive results, either Positive or Negative, should be confirmed by ordering definitive testing (not a second screen). Definitive drug testing methods use liquid or gas chromatography and mass spectrometry to identify specific drugs and drug metabolites in a sample. This method can separate members of the same drug class and reports what specifically is present as well as what is not present. Definitive methods are called for to verify the presence of a prescribed drug in a multi-constituent drug class such as opioids or benzodiazepines.

SCREEN (drug class tested by POCT device)	CODE (definitive testing)
AMP, MET, MDMA (Amphetamine, Methamphetamine, Ecstasy)	MAMME
BAR (Barbiturates)	MBARBT
BZO (Benzodiazepines)	MBENZ
COC (Cocaine)	MBE
THC (Cannabis)	MTHCC
OPI, OXY(Opiates, Oxycodone)	MXOPIT
MTD (Methadone)	MMTDN

SCREEN (drug class tested by POCT device)	CODE (definitive testing)
BUP (Buprenorphine)	MBUP
PPX (Propoxyphine)	MPRX
PCP (Phencyclidine)	MPCPP
TCA (Tricyclic Antidepressants)	UTRIQN
Fentanyl	MFEN
Tramadol	MTRAM
Meperidine (Demerol)	MMEP

POCT devices have a limited screening panel. Screening tests for drugs not included in your POCT may be ordered individually.

UAMPH	Urine Amphetamine Screen	UDEM	Urine Demerol Screen	UOXYC	Urine Oxycodone Screen	UTRAM	Urine Tramadol Screen
UBARB	Urine Barbiturate Screen	UETOH	Urine Ethanol Screen	UPCP	Urine PCP Screen	UTRIC	Urine Tricyclic Screen
UBENZ	Urine Benzodiazepine Screen	UFEN	Urine Fentanyl Screen	UPROP	Urine Propoxyphene Screen	UZOL	Urine Zolpidem Screen
UBUP	Urine Buprenorphine, Screen	UMTHN	Urine Methadone Screen	USOMA	Urine Soma Screen		
UCOCN	Urine Cocaine Screen	UOPIT	Urine Opiate Screen	UTHC	Urine THC Screen		