MAYO CLINIC LABORATORIES

Test Definition: PDSUX

Drug Screen, Prescription/Over the Counter, Chain of Custody, Random, Urine

Overview

Useful For

Qualitative detection and identification of prescription or over-the-counter drugs frequently found in drug overdose or used with a suicidal intent

Providing, when possible, the identification of all drugs in the specimen

This test is **not intended for use** in employment-related testing.

This test is **not intended for** therapeutic compliance testing. The assay's limits of detection have been established for drugs at overdose levels, which are generally much higher than therapeutic concentrations.

This test is **not useful for** drugs of abuse or illicit drug testing, including benzodiazepines, opioids, barbiturates, cocaine, and amphetamine type stimulants.

Chain of custody is required whenever the results of testing could be used in a court of law. Its purpose is to protect the rights of the individual contributing the specimen by demonstrating that it was always under the control of personnel involved with testing the specimen; this control implies that the opportunity for specimen tampering would be limited.

Additional Tests

Test Id	Reporting Name	Available Separately	Always Performed
COCH	Chain of Custody Processing	No	Yes

Special Instructions

- Prescription and Over-the-Counter Drug Screening List and Limits of Detection

Method Name

Gas Chromatography Mass Spectrometry (GC-MS)

NY State Available

Yes

Specimen

Specimen Type

Urine

Test Definition: PDSUX

Drug Screen, Prescription/Over the Counter, Chain of Custody, Random, Urine

Ordering Guidance

This test is for situations that require the chain-of-custody process. For testing **not** requiring chain of custody, order PDSU / Drug Screen, Prescription/Over the Counter, Random, Urine

Additional Testing Requirements

If urine creatinine is required or adulteration of the sample is suspected, also order, ADLTX / Adulterants Survey, Chain of Custody, Random, Urine.

Specimen Required

Supplies: Chain-of-Custody Kit (T282)
Container/Tube: Chain-of-Custody Kit containing the specimen containers, seals, and documentation required.
Specimen Volume: 30 mL
Collection Instructions: Collect a random urine specimen without preservative in the container provided, seal, and submit with the associated documentation to satisfy the legal requirements for chain-of-custody testing.
Additional Information: Submitting less than 30 mL will compromise the ability to perform all necessary testing.

Forms

1. Chain of Custody Request is included in the Chain-of-Custody Kit (T282).
2. If not ordering electronically, complete, print, and send a Therapeutics Test Request (T831) with the specimen.

Specimen Minimum Volume

1.1 mL

Reject Due To

Urine specimens containing preservative	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Ambient	3 hours	
	Frozen	14 days	

Clinical & Interpretive

Clinical Information

This test looks for a broad spectrum of prescription and over-the-counter drugs. It is designed to detect drugs that have toxic effects, as well as known antidotes or active therapies that a healthcare professional can initiate to treat the toxic effect. The test is intended to help healthcare professionals manage an apparent overdose or intoxicated patient or to

determine if a specific set of symptoms might be due to the presence of drugs. This test is not appropriate for drugs of abuse or illicit drug testing, including benzodiazepines, opioids, barbiturates, cocaine, and amphetamine type stimulants.

Drugs of toxic significance that are not detected by this test are digoxin, lithium, salicylate, and many drugs of abuse or illicit drugs, some benzodiazepines, and some opiates. For these drugs, see Mayo Clinic Laboratories' drug abuse surveys, drug screens, or individual tests.

Chain of custody is a record of the disposition of a specimen to document the personnel who collected, handled, and performed the analysis. When a specimen is submitted in this manner, analysis will be performed in such a way that it will withstand regular court scrutiny.

For detection limits for drugs detected in this test see Prescription and Over-the-Counter Drug Screening List and Limits of Detection.

Reference Values

Drugs detected are presumptive. Additional testing may be required to confirm the presence of any drugs detected.

Interpretation

The drugs that are detected by this test are listed in Prescription and Over-the-Counter Drug Screening List and Limits of Detection.

A detailed discussion of each drug detected is beyond the scope of this text. Each report will indicate the drugs identified. If a clinical interpretation is required, contact Mayo Clinic Laboratories at 800-533-1710 and ask to speak to a toxicology consultant.

Cautions

No significant cautionary statements

Clinical Reference

1. Langman LJ, Bechtel LK, Holstege CP. Clinical toxicology. In: Rifai N, Chiu RWK, Young I, Burnham CAD, Wittwer CT, eds. Tietz Textbook of Laboratory Medicine. 7th ed. Elsevier; 2023:chap 43
2. Baselt RC. Disposition of Toxic Drugs and Chemical in Man. 12th ed. Biomedical Publications; 2020

Performance

Method Description

Screening by gas chromatography mass spectroscopy.(Unpublished Mayo method)

PDF Report

No

Day(s) Performed

Monday through Friday

Test Definition: PDSUX

Drug Screen, Prescription/Over the Counter, Chain of Custody, Random, Urine

Report Available
3 to 4 days

Specimen Retention Time
2 weeks

Performing Laboratory Location
Mayo Clinic Laboratories - Rochester Superior Drive

Fees & Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

Test Classification
This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. It has not been cleared or approved by the US Food and Drug Administration.

CPT Code Information
80307

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
PDSUX	Drug Scrn, Prescription/OTC, CoC, U	12286-1

Result ID	Test Result Name	Result LOINC® Value
36235	Drugs detected:	12286-1
36236	Suspect Drug	No LOINC Needed
36237	Chain of Custody	77202-0