
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 present in the specimen

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

This test is **not intended for** therapeutic compliance testing.

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

Special Instructions

- [Prescription and Over-the-Counter \(OTC\) Drug Screens](#)

Method Name

Gas Chromatography-Mass Spectrometry (GC-MS)

NY State Available

Yes

Specimen

Specimen Type

Urine

Ordering Guidance

For chain-of-custody testing, order PDSUX / Drug Screen, Prescription/Over the Counter, Chain of Custody, Random, Urine. For situations where chain of custody is required, a Chain-of-Custody Kit (T282) is available.

Specimen Required**Supplies:** Aliquot Tube, 5 mL (T465)**Collection Container/Tube:** Plastic urine container**Submission Container/Tube:** Plastic vial**Specimen Volume:** 5 mL**Collection Instructions:**

1. Collect a random urine specimen.
2. No preservative.

Additional Information: See [Prescription and Over-the-Counter \(OTC\) Drug Screens](#) in Special Instructions.**Forms**If not ordering electronically, complete, print, and send a [Therapeutics Test Request](#) (T831) with the specimen.**Reject Due To**

All specimens will be evaluated at Mayo Clinic Laboratories for test suitability.

Specimen Minimum Volume

1.1 mL

Specimen Stability Information

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

Clinical & Interpretive**Clinical Information**

This test looks for a broad spectrum of prescription and over-the-counter (OTC) drugs. It is designed to detect drugs that have toxic effects, as well as known antidotes or active therapies that a clinician can initiate to treat the toxic effect. The test is intended to help physicians 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 opioids. For these drugs, see Mayo Clinic Laboratories' drug abuse surveys, drug screens, or individual tests.

See [Prescription and Over-the-Counter \(OTC\) Drug Screens](#) in Special Instructions for detection limits for drugs detected in this test.

Reference Values

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

Interpretation

The drugs that can be detected by this test are listed in [Prescription and Over-the-Counter \(OTC\) Drug Screens](#) in Special Instructions.

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, request a Clinical and Forensic Toxicology Lab consult (Mayo Clinic patients) or contact Mayo Laboratory Inquiry (Mayo Clinic Laboratories clients).

Cautions

No significant cautionary statements.

Clinical Reference

1. Langman LJ, Bechtel LK, Meier BM, Holstege C: Clinical toxicology. In: Rifai N, Horvath AR, Wittwer CT, eds. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 6th ed. Elsevier; 2018:1294
2. Baselt RC: Disposition of Toxic Drugs and Chemicals in Man. 10th ed. Biomedical Publications, 2014

Performance

Method Description

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

PDF Report

No

Specimen Retention Time

2 weeks

Performing Laboratory Location

Rochester

Fees & Codes**Test Classification**

This test was developed, and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test 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
PDSU	Drug Screen, Prescription/OTC, U	12286-1

Result ID	Reporting Name	LOINC®
31260	Drugs detected:	12286-1
45529	Suspect Drug	No LOINC Needed
31262	Chain of Custody	77202-0