

Overview

Useful For

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

This test is designed to qualitatively identify drugs present in the specimen; quantification of identified drugs, when available, may be performed upon client request

Special Instructions

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

Method Name

GasChromatography-MassSpectrometry(GC-MS)

NY State Available

Yes

Specimen

Specimen Type

Serum Red

Specimen Required

Container/Tube: Red top

Specimen Volume: 2.75 mL

Additional Information:

1. This test is not appropriate for drugs of abuse or illicit drug testing, including benzodiazepines, opioids, barbiturates, cocaine, amphetamine type stimulants.
2. This test is not appropriate for assessment of therapeutic compliance.
3. Not intended for use in employment-related testing.
4. For chain-of-custody testing, order DSSX / Drug Screen, Prescription/OTC, Chain of Custody, Serum.

Forms

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

Gross hemolysis	OK
Gross lipemia	OK

Gross icterus	OK
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Specimen Stability Information

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

Clinical and 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, amphetamine type stimulants.

Drugs of toxic significance that are not detected by this test are: digoxin, lithium, and many drugs of abuse or illicit drugs, some benzodiazepines, and some opioids.

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

The pharmacology of each drug determines how the test should be interpreted. A detailed discussion of each drug is beyond the scope of this text. If you wish to have a report interpreted, call 800-533-1710 and ask for a toxicology consultant.

Each report will indicate the drugs detected.

Cautions

Not intended for therapeutic compliance testing.

Not intended for use in employment-related testing.

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

For situations where chain of custody is required, order DSSX / Drug Screen, Prescription/OTC, Chain of Custody, Serum.

Clinical Reference

1. Langman LJ, Bechtel L, Holstege CP: Clinical toxicology. In Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. Edited by CA Burtis, ER Ashwood, DE Bruns. Fifth edition. St. Louis, MO, Elsevier Saunders, 2012 pp 1109-1188
2. Disposition of Toxic Drugs and Chemicals in Man. 10th edition. Edited by RC Basely. South Beach CA, Biomedical Publications, 2014

Performance**Method Description**

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

PDF Report

No

Day(s) and Time(s) Test Performed

Monday, Wednesday, Friday; Varies

Analytic Time

3 days

Maximum Laboratory Time

3 days

Specimen Retention Time

2 weeks

Performing Laboratory Location

Rochester

Fees and 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 Regional Manager. 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. This test has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information

80307

LOINC® Information



Test ID	Test Order Name	Order LOINC Value
DSS	Drug Screen, Prescription/OTC, S	In Process

Result ID	Test Result Name	Result LOINC Value
31072	Drugs detected:	20785-2
31168	Chain of Custody	77202-0