

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/24/2006
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Drug Screen 9 Panel, Serum or Plasma - Immunoassay Screen with Reflex to Mass Spectrometry Confirmation/Quantitation

ARUP test code 0092420

Amphetamines, S/P, Screen	Negative ng/mL	(Ref Interval: Cutoff 20)
Methamphetamine, S/P, Screen	Negative ng/mL	(Ref Interval: Cutoff 20)
Barbiturates, S/P, Screen	Negative ng/mL	(Ref Interval: Cutoff 50)
Benzodiazepines, S/P, Screen	Positive ng/mL	(Ref Interval: Cutoff 50)
	If the screen is positive, then confirmation by mass spectrometry will be added. Additional charges will apply. Unconfirmed positive may be useful for medical purposes, but does not meet forensic standards.	
Buprenorphine, S/P, Screen	Negative ng/mL	(Ref Interval: Cutoff 1)
Cannabinoids, S/P, Screen	Positive ng/mL	(Ref Interval: Cutoff 20)
	If the screen is positive, then confirmation by mass spectrometry will be added. Additional charges will apply. Unconfirmed positive may be useful for medical purposes, but does not meet forensic standards.	
Cocaine, S/P, Screen	Negative ng/mL	(Ref Interval: Cutoff 20)
Methadone, S/P, Screen	Negative ng/mL	(Ref Interval: Cutoff 25)

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

Opiates, S/P, Screen

Positive ng/mL

(Ref Interval: Cutoff 20)

If the screen is positive, then confirmation by mass spectrometry will be added. Additional charges will apply. Unconfirmed positive may be useful for medical purposes, but does not meet forensic standards.

Oxycodone, S/P, Screen

Positive ng/mL

(Ref Interval: Cutoff 20)

If the screen is positive, then confirmation by mass spectrometry will be added. Additional charges will apply. Unconfirmed positive may be useful for medical purposes, but does not meet forensic standards.

Phencyclidine, S/P, Screen

Negative ng/mL

(Ref Interval: Cutoff 10)

Drug Screen Comments, Serum or Plasma

See Note

INTERPRETIVE INFORMATION: Drug Screen 9 Panel, Serum or Plasma - Immunoassay Screen with Reflex to Mass Spectrometry Confirmation/Quantitation

1. Methodology: Qualitative Immunoassay Screen
2. Drugs/Drug classes reported as "Positive" are automatically reflexed to mass spectrometry confirmation/quantitation testing. An immunoassay unconfirmed positive screen result may be useful for medical purposes but does not meet forensic standards.
3. The absence of expected drug(s) and/or drug metabolite(s) may indicate non-compliance, inappropriate timing of specimen collection relative to drug administration, poor drug absorption, or limitations of testing. The concentration at which the screening test can detect a drug or metabolite varies within a drug class. Specimens for which drugs or drug classes are detected by the screen are automatically reflexed to a second, more specific technology (mass spectrometry). The concentration value must be greater than or equal to the cutoff to be reported as positive. Interpretive questions should be directed to the laboratory.
4. For medical purposes only; not valid for forensic use.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

THC Metabolite, Serum or Plasma, Quantitative

ARUP test code 0090676

11-Nor-9-carboxy-THC, S/P, Quant

8 ng/mL

H=High, L=Low, *=Abnormal, C=Critical

INTERPRETIVE INFORMATION: THC Metabolite, Serum or Plasma, Quantitative

Methodology: Quantitative Liquid Chromatography-Tandem Mass Spectrometry.

Positive cutoff: 5 ng/mL

For medical purposes only; not valid for forensic use.

The drug analyte detected in this assay, 9-carboxy THC, is a metabolite of delta-9-tetrahydrocannabinol (THC). Detection of 9-carboxy THC suggests use of, or exposure to, a product containing THC. This test cannot distinguish between prescribed or non-prescribed forms of THC, nor can it distinguish between active or passive use. The plasma half-life for 9-carboxy THC metabolite is estimated to range from 4-12 hours.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Opiates, Serum or Plasma, Quantitative

ARUP test code 0092354

6-acetylmorphine, S/P, Quant

8 ng/mL

6-Acetylmorphine (6-AM) indicates use of heroin. 6-AM is metabolized to morphine.

INTERPRETIVE INFORMATION: Opiates, Serum or Plasma, Quantitative

Methodology: Quantitative Liquid Chromatography-Tandem Mass Spectrometry

Positive cutoff: 2 ng/mL

For medical purposes only; not valid for forensic use.

Identification of specific drug(s) taken by specimen donor is problematic due to common metabolites, some of which are prescription drugs themselves. The absence of expected drug(s) and/or drug metabolite(s) may indicate non-compliance, inappropriate timing of specimen collection relative to drug administration, poor drug absorption, or limitations of testing. All drugs covered are the non-glucuronidated (free) form. The concentration value must be greater than or equal to the cutoff to be reported as positive. A very small amount of an unexpected drug analyte in the presence of a large amount of an expected drug analyte may reflect pharmaceutical impurity. Interpretive questions should be directed to the laboratory.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Codeine, S/P, Quant

6 ng/mL

Codeine is not a recognized metabolite of other opiates and its presence usually indicates use of a codeine-containing drug. Codeine is metabolized to morphine and hydrocodone.

Morphine, S/P, Quant

4 ng/mL

H=High, L=Low, *=Abnormal, C=Critical

Morphine may arise from morphine-containing drugs, poppy seeds, or by metabolism of either codeine or 6-AM. Morphine is metabolized to hydromorphone.

Hydrocodone, S/P, Quant

4 ng/mL

Hydrocodone may arise from hydrocodone-containing drugs or as a metabolite of codeine. Hydrocodone is metabolized to hydromorphone.

Hydromorphone, S/P, Quant

5 ng/mL

Hydromorphone may arise from hydromorphone-containing drugs or by metabolism of either morphine or hydrocodone.

Oxycodone, S/P, Quant

9 ng/mL

Oxycodone is not a recognized metabolite of other opiates and its presence indicates use of an oxycodone-containing drug. Oxycodone is metabolized to oxymorphone.

Oxymorphone, S/P, Quant

10 ng/mL

Oxymorphone may arise from oxymorphone-containing drugs or by metabolism of oxycodone.

Benzodiazepines, Serum or Plasma, Quantitative

ARUP test code 2010445

Diazepam, S/P, Quant

6 ng/mL

Consistent with use of a drug containing diazepam, such as Valium; metabolites include nordiazepam, temazepam, and oxazepam.

H=High, L=Low, *=Abnormal, C=Critical

INTERPRETIVE INFORMATION: Benzodiazepines, Serum or Plasma, Quantitative

Methodology: Quantitative Liquid Chromatography-Tandem Mass Spectrometry.

Positive cutoff: 20 ng/mL unless specified below:

Diazepam	5 ng/mL
Alprazolam	5 ng/mL
Alpha-hydroxyalprazolam	5 ng/mL
Clonazepam	5 ng/mL
7-aminoclonazepam	5 ng/mL

For medical purposes only; not valid for forensic use.

Identification of specific drug(s) taken by specimen donor is problematic due to common metabolites, some of which are prescription drugs themselves. The absence of expected drug(s) and/or drug metabolite(s) may indicate non-compliance, inappropriate timing of specimen collection relative to drug administration, poor drug absorption, or limitations of testing. The concentration value must be greater than or equal to the cutoff to be reported as positive. Interpretive questions should be directed to the laboratory.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Nordiazepam, S/P, Quant

24 ng/mL

Metabolite of several benzodiazepines, such as chlordiazepoxide (Librium), prazepam (Centrax), halezepam (Alapryl), clorazepate (Tranxene), and others.

Oxazepam, S/P, Quant

21 ng/mL

Consistent with use of a drug containing oxazepam, such as Serax, or use of a drug that is metabolized to oxazepam.

Temazepam, S/P, Quant

22 ng/mL

Consistent with use of a drug containing temazepam, such as Restoril, or use of a drug that is metabolized to temazepam.

Chlordiazepoxide, S/P, Quant

23 ng/mL

Consistent with use of a drug containing chlordiazepoxide, such as Librium.

Lorazepam, S/P, Quant

25 ng/mL

H=High, L=Low, *=Abnormal, C=Critical

Consistent with use of a drug containing lorazepam, such as Ativan.

Alprazolam, S/P, Quant

26 ng/mL

Consistent with use of a drug containing alprazolam, such as Xanax.

Alpha-hydroxyalprazolam, S/P, Quant

27 ng/mL

Alprazolam metabolite; consistent with use of a drug containing alprazolam, such as Xanax.

Clonazepam, S/P, Quant

28 ng/mL

Consistent with use of a drug containing clonazepam, such as Klonopin.

7-aminoclonazepam, S/P, Quant

29 ng/mL

Clonazepam metabolite; consistent with use of a drug containing clonazepam, such as Klonopin.

Midazolam, S/P, Quant

30 ng/mL

Consistent with use of a drug containing midazolam, such as Versed.

Alpha-hydroxymidazolam, S/P, Quant

31 ng/mL

Consistent with use of a drug containing midazolam, such as Versed.

H=High, L=Low, *=Abnormal, C=Critical

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Amphetamines, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methamphetamine, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Barbiturates, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Benzodiazepines, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Buprenorphine, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cannabinoids, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cocaine, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methadone, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Opiates, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Oxycodone, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Phencyclidine, S/P, Screen	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Drug Screen Comments, Serum or Plasma	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
11-Nor-9-carboxy-THC, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
6-acetylmorphine, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Codeine, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Morphine, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydrocodone, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydromorphone, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Oxycodone, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Oxymorphone, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Diazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Nordiazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Oxazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Temazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Chlordiazepoxide, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lorazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alprazolam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-hydroxyalprazolam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Clonazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
7-aminoclonazepam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Midazolam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-hydroxymidazolam, S/P, Quant	20-231-104881	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at: