



NMS Labs

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Demo Report

Report Issued 01/23/2023 06:49

Patient Name 8051U-POS
Patient ID 8051U-POS
Chain 21002040
DOB Not Given
Sex Not Given
Workorder 21002040

To: 88888
Forensic Example Report
Attn: Example Reports
200 Welsh Road
Horsham, PA 19044

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Positive Findings:

Table with 4 columns: Analyte, Result, Units, Matrix Source. Rows include Ethanol, Alprazolam, 6-Monoacetylmorphine - Free, and Fentanyl.

See Detailed Findings section for additional information

Testing Requested:

Table with 2 columns: Test, Test Name. Row: 8051U, Postmortem, Basic, Urine (Forensic)

Specimens Received:

Table with 5 columns: ID, Tube/Container, Volume/Mass, Collection Date/Time, Matrix Source, Labeled As. Row: 001, Clear vial, Not Given, Not Given, Urine, Not Applicable

All sample volumes/weights are approximations.
Specimens received on 12/16/2021.



Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Ethanol	85	mg/dL	10	001 - Urine	Headspace GC
Alprazolam	50	ng/mL	5.0	001 - Urine	LC-MS/MS
Cocaine	20	ng/mL	10	001 - Urine	LC-MS/MS
6-Monoacetylmorphine - Free	250	ng/mL	5.0	001 - Urine	LC-MS/MS
Ethanol	Confirmed	mg/dL	10	001 - Urine	Headspace GC
Fentanyl	5.0	ng/mL	1.0	001 - Urine	LC-MS/MS

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

- 6-Monoacetylmorphine - Free (6-MAM; Heroin Metabolite) - Urine:
6-monoacetylmorphine (6-MAM) is the 6-monoacetylated form of morphine, which is pharmacologically active. When present, it is generally indicative of heroin (diacetylmorphine) use.
- Alprazolam (Xanax®) - Urine:
Alprazolam is a DEA Schedule IV second-generation benzodiazepine, which is effective at very low doses. It shares the actions of other benzodiazepines in the management of anxiety disorders and short-term relief of anxiety associated with depressive symptoms. Alpha-hydroxyalprazolam is an active metabolite of alprazolam. Common CNS-depressant side effects of alprazolam include drowsiness and fatigue.
- Ethanol (Ethyl Alcohol) - Urine:
Ethyl alcohol (ethanol, drinking alcohol) is a central nervous system depressant and can cause effects such as impaired judgment, reduced alertness and impaired muscular coordination. Ethanol can also be a product of decomposition or degradation of biological samples.
- Fentanyl (Duragesic®; Sublimaze®) - Urine:
Fentanyl is a DEA Schedule II synthetic morphine substitute anesthetic/analgesic. It is reported to be 80 to 200 times as potent as morphine and has a rapid onset of action as well as addictive properties.

Signs associated with fentanyl toxicity include severe respiratory depression, seizures, hypotension, coma and death.

Sample Comments:

001 Results were removed from report on 10/27/2022.

Analysis Summary and Reporting Limits:

All of the following tests were performed for this case. For each test, the compounds listed were included in the scope. The Reporting Limit listed for each compound represents the lowest concentration of the compound that will be reported as being positive. If the compound is listed as None Detected, it is not present above the Reporting Limit. Please refer to the Positive Findings section of the report for those compounds that were identified as being present.

Test 50012U - Benzodiazepines Confirmation, Urine - Urine

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

Analyte	Rpt. Limit	Analyte	Rpt. Limit
1-Hydroxymidazolam	5.0 ng/mL	Alprazolam	5.0 ng/mL
7-Amino Clonazepam	5.0 ng/mL	Chlordiazepoxide	20 ng/mL
Alpha-Hydroxyalprazolam	10 ng/mL	Clobazam	20 ng/mL



Analysis Summary and Reporting Limits:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Desalkylflurazepam	5.0 ng/mL	Lorazepam	10 ng/mL
Diazepam	20 ng/mL	Nordiazepam	20 ng/mL
Estazolam	5.0 ng/mL	Oxazepam	20 ng/mL
Hydroxyethylflurazepam	5.0 ng/mL	Temazepam	20 ng/mL
Hydroxytriazolam	5.0 ng/mL		

Test 50013U - Cannabinoids Confirmation, Urine - Urine

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Delta-9 Carboxy THC - Total	5.0 ng/mL		

Test 50016U - Opiates - Free (Unconjugated) Confirmation, Urine - Urine

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
6-Monoacetylmorphine - Free	5.0 ng/mL	Hydromorphone - Free	5.0 ng/mL
Codeine - Free	25 ng/mL	Morphine - Free	25 ng/mL
Dihydrocodeine / Hydrocodol - Free	25 ng/mL	Oxycodone - Free	25 ng/mL
Hydrocodone - Free	25 ng/mL	Oxymorphone - Free	5.0 ng/mL

Test 52250U - Alcohols and Acetone Confirmation, Urine - Urine

-Analysis by Headspace Gas Chromatography (GC) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	5.0 mg/dL

Test 52484U - Fentanyl and Acetyl Fentanyl Confirmation, Urine - Urine

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Acetyl Fentanyl	0.50 ng/mL	Norfentanyl	1.0 ng/mL
Fentanyl	1.0 ng/mL		

Test 8051U - Postmortem, Basic, Urine (Forensic) - Urine

-Analysis by Enzyme Immunoassay (EIA) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Barbiturates	0.30 mcg/mL	Methadone / Metabolite	300 ng/mL
Benzodiazepines	50 ng/mL	Opiates	300 ng/mL
Cannabinoids	50 ng/mL	Oxycodone / Oxymorphone	100 ng/mL
Cocaine / Metabolites	150 ng/mL	Phencyclidine	25 ng/mL

-Analysis by Enzyme Immunoassay (EIA) for:



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Workorder 21002040
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Analysis Summary and Reporting Limits:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Amphetamines	500 ng/mL	Fentanyl / Acetyl Fentanyl	2.0 ng/mL
Buprenorphine / Metabolite	5.0 ng/mL	MDMA	300 ng/mL

-Analysis by Headspace Gas Chromatography (GC) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	10 mg/dL