



NMS Labs

CONFIDENTIAL

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Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

Demo Report

Report Issued 12/22/2017 11:50
Last Report Issued 12/14/2017 12:36

88888
Clinical Example Report
Attn: IT Department
200 Welsh Road
Horsham, PA 19044-2208

Patient Name 8151B-POS
Patient ID 8151B-POS
Chain 17002355
Age Not Given DOB Not Given
Gender Not Given
Workorder 17002355
Received 12/14/2017 12:20

Sample ID 17002355-001
Matrix Blood
Patient Name 8151B-POS
Patient ID 8151B-POS
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes

8151B DUID/DRE Panel (w/Alcohol)
ProofPOSITIVE®, Blood (Forensic)

Analysis by Enzyme-Linked Immunosorbent Assay (ELISA)

Table with 4 columns: Substance Name, Result, Units, Reporting Limit. Lists various substances like Opiates, Cocaine, Benzodiazepines, etc.

Results for sample 17002355-001 are continued on next page



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Sample ID 17002355-001
Matrix Blood
Patient Name 8151B-POS
Patient ID 8151B-POS

Collect Dt/Tm Not Given
Source Not Given

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes. Rows include Fentanyl / Acetyl Fentanyl, Buprenorphine / Metabolite, and Tramadol / Metabolite with their respective results and comments.

Analysis by Headspace Gas Chromatography (GC)

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes. Row for Ethanol with result 85 mg/dL and reporting limit 10.

Ethanol (beverage alcohol) is a central nervous system depressant. It causes impairment of cognitive, perceptual and psychomotor capabilities manifested as decrements in alertness, judgment, perception, coordination, response time and sense of care and caution. Potential effects on driving include, but are not limited to, weaving, crossing center or fog lines, failure to obey traffic signals, wide turns, inappropriate speed for conditions, and involvement in collisions. Generally, a person's level of intoxication will increase with rising blood alcohol concentration. Effects are more pronounced in individuals with limited tolerance, especially minors, however at blood alcohol concentrations of 80 mg/dL (0.08 g/100 mL or 0.08% w/v), virtually all individuals exhibit impairment on some critical driving measures.

Analysis performed in duplicate by, internally standardized, headspace Gas Chromatography (GC). The average of the two headspace GC results is reported.

NMS Labs is an approved Laboratory for Alcohol analysis in the Commonwealth of Pennsylvania.

Results for sample 17002355-001 are continued on next page



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Sample ID 17002355-001
Matrix Blood
Patient Name 8151B-POS
Patient ID 8151B-POS

Collect Dt/Tm Not Given
Source Not Given

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes. Rows include Blood Alcohol Concentration (BAC) with a detailed certification text, Methanol (85 mg/dL, 5.0 limit), and Isopropanol (85 mg/dL, 5.0 limit).

Results for sample 17002355-001 are continued on next page



Sample ID 17002355-001  
Matrix Blood  
Patient Name 8151B-POS  
Patient ID 8151B-POS

Collect Dt/Tm Not Given  
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
<p>judgment, perception, coordination, response time and sense of care and caution. As a central nervous system depressant, isopropanol has about two times the potency of ethanol; therefore, while the effects produced are similar, impairment caused by isopropyl alcohol will occur at blood concentrations substantially lower than those of ethanol. Isopropyl alcohol is metabolized to acetone, however acetone produced in the body as a result of uncontrolled diabetes can also be converted to isopropanol.</p>				
Acetone	85	mg/dL	5.0	
<p>Reported normal endogenous acetone levels in blood are up to 3 mg/dL. Levels associated with diabetic or fasting ketoacidosis range from 10 - 70 mg/dL. After exposure to 100 and 500 ppm acetone for 2 hr, reported blood acetone concentrations peaked at 2 and 10 mg/dL, respectively. A blood level of 250 mg/dL was reported in an individual who became lethargic following ingestion of acetone.</p>				
Analysis by Headspace Gas Chromatography (GC)				
Ethanol	Confirmed	mg/dL	10	
Synonym(s): Ethyl Alcohol				
Methanol	Confirmed	mg/dL	5.0	
Synonym(s): Methyl Alcohol				
Isopropanol	Confirmed	mg/dL	5.0	
Synonym(s): Isopropyl Alcohol				
Acetone	Confirmed	mg/dL	5.0	
<b>54128B Tramadol and Metabolite Confirmation (DUID/DRE), Blood (Forensic)</b>				
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Tramadol	100	ng/mL	20	
Synonym(s): Ultram®; Ultrax®				
O-Desmethyltramadol	100	ng/mL	20	
Synonym(s): Tramadol Metabolite				

Results for sample 17002355-001 are continued on next page



Sample ID 17002355-001  
Matrix Blood  
Patient Name 8151B-POS  
Patient ID 8151B-POS

Collect Dt/Tm Not Given  
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
<p>Peak plasma concentration following a single 100 mg oral dose: 35 - 75 ng O-Desmethyltramadol/mL.</p> <p>Steady-state plasma concentration following a 100 mg 4 times daily regimen: 80 - 140 ng O-Desmethyltramadol/mL.</p> <p>The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.</p>				
<b>54459B DUID/DRE Fentanyl and Acetyl Fentanyl Confirmation, Blood (Forensic)</b>				
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Fentanyl	50	ng/mL	0.10	ELEVATED
<p>Synonym(s): Duragesic®; Sublimaze®</p> <p>Immediately following a single 2 mcg/kg I.V. dose: Up to 11 ng/mL, declining to 1 ng/mL after one hour. Following the application of a 100 mcg/hour transdermal patch, serum levels (after an initial lag time of approximately six hours) of 0.8 - 2.6 ng/mL were maintained for more than 24 hours after application. Peak plasma levels following a single oral transmucosal dose (Fentanyl Oralet) of 15 mcg/kg to children: 2 - 4 ng/mL at 20 minutes.</p> <p>Substance(s) known to interfere with the identity and/or quantity of the reported result: 4-methylphenethyl acetyl fentanyl</p>				
Norfentanyl	50	ng/mL	0.20	
<p>Synonym(s): Fentanyl Metabolite</p> <p>Substance(s) known to interfere with the identity and/or quantity of the reported result: Benzyl Fentanyl</p>				
Acetyl Fentanyl	50	ng/mL	0.10	
<p>Acetyl fentanyl is a novel non-prescription synthetic opioid that has been implicated in several deaths.</p>				

Results for sample 17002355-001 are continued on next page



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**Sample ID** 17002355-001  
**Matrix** Blood  
**Patient Name** 8151B-POS  
**Patient ID** 8151B-POS

**Collect Dt/Tm** Not Given  
**Source** Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
<b>54460B DUID/DRE Buprenorphine and Metabolite Free (Unconjugated) Confirmation, Blood (Forensic)</b>				
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Buprenorphine - Free Synonym(s): Buprenex®	50	ng/mL	0.50	
Norbuprenorphine - Free Synonym(s): Buprenorphine Metabolite	50	ng/mL	0.50	