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

CONFIDENTIAL

Demo Report

Report Issued 07/31/2017 07:34
Last Report Issued 05/04/2017 10:43

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

Patient Name 0175SP
Patient ID 0175SP
Chain 17000871
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 17000871

Received 05/04/2017 09:05

Sample ID 17000871-001
Matrix Serum or Plasma
Patient Name 0175SP
Patient ID 0175SP
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

Analysis and Comments	Result	Units	Reporting Limit	Notes
0175SP Alcohol, Serum/Plasma (Forensic)				
Analysis by Headspace Gas Chromatography (GC)				
Ethanol	None Detected	mg/dL	10	

Synonym(s): Ethyl Alcohol

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.

Results for sample 17000871-001 are continued on next page

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Sample ID 17000871-001
Matrix Serum or Plasma
Patient Name 0175SP
Patient ID 0175SP

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
NMS Labs is an approved Laboratory for Alcohol analysis in the Commonwealth of Pennsylvania. I certify that: I directly participated in the determination of the results by reviewing and certifying that the analytical data including internal standards and calculations utilized in reporting the results of this case are accurate and correct.				
Methanol	None Detected	mg/dL	5.0	
Synonym(s): Methyl Alcohol Methanol is contained in paints, cleaners, windshield washer fluid, 'canned heat', and other household products. It may be consumed for its intoxicating properties which are similar to ethanol; however it is much more toxic. In addition to central nervous system depression with its associated slowing of reaction time, lethargy and confusion, methanol can cause blindness due to its toxic metabolites.				
Isopropanol	None Detected	mg/dL	5.0	
Synonym(s): Isopropyl Alcohol Isopropanol is a common industrial and laboratory chemical that is available as a 70% aqueous solution in 'Rubbing Alcohol'. Isopropanol may be consumed for its intoxicating effects. Isopropanol produces effects in man similar to those produced by ethanol, including impairment of cognitive, perceptual and psychomotor capabilities presenting as decrements in alertness, 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.				
Acetone	None Detected	mg/dL	5.0	

Results for sample 17000871-001 are continued on next page

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Sample ID 17000871-001
Matrix Serum or Plasma
Patient Name 0175SP
Patient ID 0175SP

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
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.				
The blood to plasma ratio of acetone is 1.0 - 1.1.				
Analysis by Headspace Gas Chromatography (GC)				
Ethanol	None Detected	mg/dL	10	
Synonym(s): Ethyl Alcohol				
Methanol	None Detected	mg/dL	5.0	
Synonym(s): Methyl Alcohol				
Isopropanol	None Detected	mg/dL	5.0	
Synonym(s): Isopropyl Alcohol				
Acetone	None Detected	mg/dL	5.0	