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

CONFIDENTIAL

Demo Report

Report Issued 04/27/2023 08:55
Last Report Issued 04/27/2023 08:55

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

Patient Name 1874B-POS
Patient ID 1874B-POS
Chain 23000897
DOB Not Given
Sex Not Given
Workorder 23000897
Received 04/26/2023

Lab ID 23000897-001
Matrix Blood
Patient Name 1874B-POS
Patient ID 1874B-POS
Container Type Black Cap Glass Container

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
1874B Drug Screen (10 Panel), Blood				
Analysis by Enzyme-Linked Immunosorbent Assay (ELISA)				
Opiates	See Comment	ng/mL	20	
Synonym(s): Codeine; Heroin; Morphine; Opium				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Cocaine / Metabolites	See Comment	ng/mL	20	
Synonym(s): Blow; Crack; Snow				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Benzodiazepines	See Comment	ng/mL	100	
Synonym(s): Sedative; Tranquilizer				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Cannabinoids	See Comment	ng/mL	10	
Synonym(s): Cannabis; Hashish; Marihuana; Marijuana; THC				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				

Results for sample 23000897-001 are continued on next page

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Matrix Blood
Patient Name 1874B-POS
Patient ID 1874B-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Amphetamines	See Comment	ng/mL	20	
Synonym(s): Adderall; Amfetamine; Dextroamphetamine; Levoamphetamine				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Barbiturates	See Comment	mcg/mL	0.040	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Methadone / Metabolite	See Comment	ng/mL	25	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Phencyclidine	See Comment	ng/mL	10	
Synonym(s): Angel Dust; PCP; Sherm				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Methamphetamine / MDMA	See Comment	ng/mL	20	
Synonym(s): Desoxyn®; Ecstasy; Meth; Molly				
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				
Oxycodone / Oxymorphone	See Comment	ng/mL	10	
Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s).				

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.

50002B Amphetamines Confirmation, Blood

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

Amphetamine	50	ng/mL	5.0	
Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Amphetamine and Methamphetamine.				
Methamphetamine	50	ng/mL	5.0	

Results for sample 23000897-001 are continued on next page

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Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
This test reports Methamphetamine as the total of the undifferentiated d and l enantiomers. The ratio of these enantiomers is important in determining whether the source of Methamphetamine is from over the counter medications, prescribed medication or controlled substances. Benzphetamine is rapidly metabolized to Amphetamine and Methamphetamine.				
MDA	50	ng/mL	5.0	
Synonym(s): 3,4-Methylenedioxyamphetamine; Adam; MDMA Metabolite MDA is a metabolite of MDMA and methylenedioxyethylamphetamine (MDEA) and is abused for its central nervous system stimulant and hallucinogenic properties. The peak concentration of the MDA metabolite following a 110 mg dose of MDMA was reported as 28 ng/mL at 4 hours. The blood to plasma ratio of MDA is approximately 1.2-1.3				
MDMA	50	ng/mL	5.0	
Synonym(s): 3,4-Methylenedioxymethamphetamine; Ecstasy Following a single 50 mg oral dose, the mean peak plasma concentration was 110 ng/mL at 2 hours.				

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50011B Barbiturates Confirmation, Blood

Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)

Butalbital	5.0	mcg/mL	0.20	
A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7-2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3-1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.				
Pentobarbital	5.0	mcg/mL	0.20	

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Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Peak serum concentrations of 1.2-3.1 mcg/mL were produced 0.5-2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.				
Secobarbital	5.0	mcg/mL	0.20	
Synonym(s): Seconal®				
A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8-2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.				
Phenobarbital	5.0	mcg/mL	0.50	
Synonym(s): Luminal®				
Recommended serum concentration range during anticonvulsant therapy with primidone: 10-40 mcg/mL. The blood to plasma ratio is approximately 0.8.				

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50012B Benzodiazepines Confirmation, Blood

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

Diazepam	50	ng/mL	20	
Synonym(s): Valium®				
Therapeutic range: 100-1000 ng/mL.				
Nordiazepam	50	ng/mL	20	
Synonym(s): Chlordiazepoxide Metabolite				
Nordiazepam therapeutic range: 100-1000 ng/mL.				
Also a metabolite of chlordiazepoxide, clorazepate, diazepam, halazepam, and prazepam.				
Oxazepam	50	ng/mL	20	
Synonym(s): Serax®				

Results for sample 23000897-001 are continued on next page

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Matrix Blood
Patient Name 1874B-POS
Patient ID 1874B-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
When used as a drug, the therapeutic plasma concentration: 200-1400 ng/mL. Potentially toxic greater than 2000 ng/mL. As a metabolite of Diazepam, low concentrations may be observed. In one study, following chronic daily doses of about 70 mg of Diazepam, the steady-state serum concentrations were 50-400 ng Oxazepam/mL. As a metabolite of Temazepam, low concentrations may be observed.				
Temazepam	50	ng/mL	20	
Synonym(s): Diazepam Metabolite; Normison® When used as a drug, peak plasma concentrations range from 200-1100 ng/mL within 1.5 hours post-dose. As a metabolite of Diazepam, low concentrations may be observed. In one study, following chronic daily doses of about 70 mg of Diazepam, the steady-state serum concentrations were 100-600 ng Temazepam/mL.				
Clobazam	50	ng/mL	20	
Synonym(s): Frisium®; Urbanyl® Following a single 20 mg oral dose, the mean peak plasma concentration: 465 ng/mL (range, 220-710 ng/mL) after 1.7 hours. Following a single 40 mg oral dose, the mean peak plasma concentration: 730 ng/mL at 2.5 hours. The plasma concentration decreased to 360 ng/mL at 12 hours, 180 ng/mL at 48 hours and 17 ng/mL at 96 hours.				
Chlordiazepoxide	50	ng/mL	20	
Synonym(s): Librium® Therapeutic range: 400-2000 ng/mL.				
Lorazepam	50	ng/mL	5.0	
Synonym(s): Ativan® Therapeutic range: 50-240 ng/mL.				
Clonazepam	50	ng/mL	2.0	
Synonym(s): Klonopin®				

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Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Therapeutic range: 10-75 ng/mL. Toxic: Greater than 100 ng/mL.				
7-Amino Clonazepam	50	ng/mL	5.0	
Synonym(s): Clonazepam Metabolite				
Plasma concentrations following chronic therapy with 6 mg/day of Clonazepam: 20-140 ng/mL.				
Alprazolam	50	ng/mL	5.0	
Synonym(s): Xanax®				
Therapeutic range: 10-100 ng/mL. Potentially toxic at greater than 100 ng/mL.				
Alpha-Hydroxyalprazolam	50	ng/mL	5.0	
Synonym(s): Alprazolam Metabolite				
Alpha-Hydroxyalprazolam has approximately 66% of the pharmacological activity of Alprazolam.				
Midazolam	50	ng/mL	5.0	
Synonym(s): Versed®				
Peak plasma levels following a single 12.5 mg IM dose: approximately 200 ng/mL within 45 minutes of dose. Following a single 75 mcg/kg IV dose over 1 minute: 320 ng/mL at 0.25 hours 250 ng/mL at 0.5 hours 210 ng/mL at 1 hour 140 ng/mL at 2 hours 80 ng/mL at 4 hours 40 ng/mL at 6 hours 20 ng/mL at 8 hours.				
Triazolam	50	ng/mL	2.0	
Synonym(s): Halcion®				
Following a single 0.25 mg oral dose, the mean plasma concentration: 3.0 ng/mL (range, 2.3-3.7 ng/mL) within 1.5 hours. Following a single 0.5 mg oral dose, the mean plasma concentration: 4.4 ng/mL (range, 1.7-9.4 ng/mL) within 4 hours.				
Hydroxytriazolam	50	ng/mL	5.0	
Synonym(s): Triazolam Metabolite				

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Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Hydroxytriazolam has 50 to 100% of the pharmacological activity of Triazolam.				
Hydroxyethylflurazepam	50	ng/mL	5.0	
Synonym(s): Flurazepam Metabolite				
The mean peak plasma concentration following a 30 mg oral dose of Flurazepam was 18 ng Hydroxyethylflurazepam/mL at 1 hour post dose.				
Desalkylflurazepam	50	ng/mL	5.0	
Synonym(s): Flurazepam Metabolite				
The mean peak plasma concentration following a 30 mg oral dose of Flurazepam was 23 ng Desalkylflurazepam/mL at 12 hours post dose.				
Flurazepam	50	ng/mL	2.0	
Synonym(s): Dalmane®				
The mean peak plasma concentration following a 30 mg oral dose was 2.1 ng/mL at 1 hour post dose, but was undetectable at subsequent times.				
Estazolam	50	ng/mL	5.0	
Synonym(s): ProSom®				
The mean peak plasma concentration following a 1 mg oral dose was 55 ng/mL (range, 40-70 ng/mL).				
The mean peak plasma concentration following a 2 mg oral dose was 98 ng/mL (range, 75-140 ng/mL).				

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50013B Cannabinoids Confirmation, Blood

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

11-Hydroxy Delta-9 THC	20	ng/mL	1.0	
Synonym(s): Active Metabolite				
11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.				

Results for sample 23000897-001 are continued on next page

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Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Delta-9 Carboxy THC	20	ng/mL	5.0	
Synonym(s): Inactive Metabolite				
THCC may be detectable, with a 0.5 ng/mL cutoff, over 54 hours in occasional cannabis users and over 72 hours in chronic, frequent cannabis users. Usually not detectable after passive inhalation. THCC is an inactive dronabinol metabolite.				
Delta-9 THC	20	ng/mL	0.50	
Synonym(s): Active Ingredient of Marijuana				
THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50-270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.				

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.

50014B Cocaine and Metabolites Confirmation, Blood

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

Benzoylecgonine	60	ng/mL	50	
Synonym(s): Cocaine Degradation Product				
Cocaine	60	ng/mL	10	
Following oral or nasal intake of 2 mg/kg: Up to 200 ng/mL.				
Cocaethylene	60	ng/mL	10	
Synonym(s): Cocaine/Ethanol By-Product				

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.

50015B Methadone and Metabolite Confirmation, Blood

Results for sample 23000897-001 are continued on next page

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Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Methadone	50	ng/mL	20	
Synonym(s): Dolophine®				
Usual narcotic stabilization range: 50-1000 ng/mL.				
EDDP	50	ng/mL	20	
Synonym(s): Methadone Metabolite				

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.

50016B Opiates - Free (Unconjugated) Confirmation, Blood

Analysis and Comments	Result	Units	Reporting Limit	Notes
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Dihydrocodeine / Hydrocodol - Free	20	ng/mL	5.0	
Synonym(s): Hydrocodone Metabolite				
Adult therapeutic range: 72-150 ng/mL.				
Codeine - Free	20	ng/mL	5.0	
Adult therapeutic range: 20-210 ng/mL.				
Morphine - Free	20	ng/mL	5.0	
Synonym(s): Codeine Metabolite				
Adult therapeutic range: <73 ng/mL.				
Hydrocodone - Free	20	ng/mL	5.0	
Synonym(s): Zohydro®; Vicodin®				
Adult therapeutic range: 6-29 ng/mL.				
6-Monoacetylmorphine - Free	20	ng/mL	1.0	
Synonym(s): 6-MAM; Heroin Metabolite				
6-Monoacetylmorphine is a metabolite of heroin.				
Hydromorphone - Free	20	ng/mL	1.0	
Synonym(s): Dilaudid®; Hydrocodone Metabolite				
Adult therapeutic range: 5-20 ng/mL.				

Results for sample 23000897-001 are continued on next page

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Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Oxycodone - Free	20	ng/mL	5.0	
Synonym(s): Roxicodone®; OxyContin®				
Adult therapeutic range: 13-120 ng/mL.				
Oxymorphone - Free	20	ng/mL	1.0	
Synonym(s): Opana®; Numorphan®; Oxycodone Metabolite				
Adult therapeutic range: 3-8 ng/mL.				

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50017B Phencyclidine Confirmation, Blood

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

Phencyclidine	50	ng/mL	5.0	
Synonym(s): PCP; Sherm; Angel Dust				

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