

HORIZON LAB LLC
2555 East 13th Street
Suite 115
Loveland, CO 80537
Physician: JAMES WILKERSON, MD

Patient: MCMECHAN, JAMES
MR#: 0450304
DOB: 12/3/1966 Sex: Male
Acc#: 90-10-193-00630

Performed by: [Signature]
Date: 07/14/10
He Hernandez

C a s e I n f o r m a t i o n

Client: WELD COUNTY CORONER
Case: WCC10-496
Specimen: POST MORTEM URINE
Coroner/Medical Examiner: PATRICK C ALLEN, MD
Forensic Pathologist: JAMES WILKERSON, MD

U r i n e F o r e n s i c D r u g A n a l y s i s

Collected Date 7/12/2010
Collected Time 11:00:00 MDT

Procedure	Units
Amphetamine - 1.0 mcg/mL	None Detected
Barbiturates - 0.2 mcg/mL	None Detected
Benzodiazepine - 0.2 mcg/mL	None Detected
Cocaine - 0.3 mcg/mL	None Detected
Methadone - 0.3 mcg/mL	None Detected
Phencyclidine - 25 ng/mL	None Detected
Propoxyphene - 0.3 mcg/mL	None Detected
Opiates - 0.3 mcg/mL	None Detected
Oxycodone - 100 ng/mL	None Detected
Cannabinoid - 50 ng/mL	None Detected
Fentanyl - 2 ng/mL	None Detected
Tricyclics	See Below
Phenothiazines	None Detected
Other Drugs	See Below
Urine Forensic Drug Analysis Comment ^	See Note

7/12/2010 11:00:00 MDT Tricyclics
None Detected

7/12/2010 11:00:00 MDT Other Drugs
Positive
Analyte Detected consistent with the characteristics of Acetaminophen

7/12/2010 11:00:00 MDT Urine Forensic Drug Analysis Comment:
Specimens were analyzed by a combination of EMIT technology and thin layer chromatography. The screen is interpreted as Positive when results are equal to or exceed the above listed concentrations.

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Acc#: 90-10-193-00630

U r i n e F o r e n s i c D r u g A n a l y s i s

7/12/2010 11:00:00 MDT Tricyclics,Phenothiazines,Other Drugs:

Performed at McKee Medical Center 2000 Boise, Loveland, CO 80538 (970)635-4151

7/12/2010 11:00:00 MDT Oxycodone - 100 ng/mL,Fentanyl - 2 ng/mL,Cocaine - 0.3 mcg/mL,Urine
Forensic Drug Analysis Comment,Methadone - 0.3 mcg/mL,Opiates - 0.3 mcg/mL,Phencyclidine - 25
ng/mL,Propoxyphene - 0.3 mcg/mL,Barbiturates - 0.2 mcg/mL,Cannabinoid - 50 ng/mL,Amphetamine -
1.0 mcg/mL,Benzodiazepine - 0.2 mcg/mL:

Performed at McKee Medical Center 2000 Boise, Loveland, CO 80538 (970)635-4151

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Physician: JAMES WILKERSON, MD

Patient: MCMECHAN, JAMES
MR#: 0450304
DOB: 12/3/1966 Sex: Male
Acc#: 90-10-193-00632

Performed by: J. Beans MD (ASCP)
Date: 7/14/10
J. Beans

C a s e I n f o r m a t i o n

Client: WELD COUNTY CORONER
Case: WCC10-496
Specimen: POST MORTEM HEART BLOOD
Coroner/Medical Examiner: PATRICK C ALLEN, MD
Forensic Pathologist: JAMES WILKERSON, MD

F o r e n s i c D r u g A n a l y s i s

Collected Date 7/12/2010
Collected Time 11:00:00 MDT

Procedure		Units
Carbon Monoxide ^	0.0	%

7/12/2010 11:00:00 MDT Carbon Monoxide:

Expected Values:

Non-Smokers <1.5%
Smokers 1.5 - 5.0%

7/12/2010 11:00:00 MDT Carbon Monoxide:

Performed at McKee Medical Center 2000 Boise, Loveland, CO 80538 (970)635-4151

HORIZON LAB LLC
2555 East 13th Street
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Physician: JAMES WILKERSON, MD

Patient: MCMECHAN, JAMES
MR#: 0450304
DOB: 12/3/1966 Sex: Male
Acc#: 90-10-193-00631

Performed by: Sm Lemein

Date: 7/15/10

Sm Lemein

C a s e I n f o r m a t i o n

Client: WELD COUNTY CORONER
Case: WCC10-496
Specimen: POST MORTEM HEART BLOOD
Coroner/Medical Examiner: PATRICK C ALLEN, MD
Forensic Pathologist: JAMES WILKERSON, MD

F o r e n s i c D r u g A n a l y s i s

Collected Date 7/12/2010
Collected Time 11:00:00 MDT

Procedure		Units
Ethanol, Whole Blood	0.122	g/dL

7/12/2010 11:00:00 MDT Ethanol, Whole Blood:
Performed at McKee Medical Center 2000 Boise, Loveland, CO 80538 (970)635-4151



NMS Labs

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Robert A. Middleberg, PhD, DABFT, DABCC-TC, Laboratory Director

Toxicology Report

Report Issued 07/19/2010 09:55

Patient Name MCMECHAN, JAMES HENRY
Patient ID WCC10-496-WILKERSON
Chain 11176260
Age 43 Y
Gender Male
Workorder 10159939

To: 60695
Horizon Toxicology at McKee Medical Center
Attn: Laboratory
2000 North Boise Ave.
Loveland, CO 80538

Page 1 of 2

Positive Findings:

Table with 4 columns: Compound, Result, Units, Matrix Source. Row 1: Acetaminophen, 4.2, mcg/mL, Peripheral Blood

See Detailed Findings section for additional information

Testing Requested:

Table with 2 columns: Analysis Code, Description. Row 1: 0030B, Acetaminophen, Blood

Specimens Received:

Table with 5 columns: ID, Tube/Container, Volume/Mass, Collection Date/Time, Matrix Source, Miscellaneous Information. Row 1: 001, Gray Top Tube, 7 mL, 07/12/2010 11:00, Peripheral Blood

All sample volumes/weights are approximations.
Specimens received on 07/16/2010.



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Workorder 10159939
Chain 11176260
Patient ID WCC10-496-WILKERSON

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Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Acetaminophen	4.2	mcg/mL	0.50	001 - Peripheral Blood	HPLC

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:

- Acetaminophen (Tylenol®) - Peripheral Blood:

Acetaminophen is an over the counter analgesic with antipyretic properties; however, it has no anti-inflammatory actions. It may be found both alone and in combinations with other substances such as codeine, hydrocodone, tramadol, butalbital, and propoxyphene. It appears to be a relatively safe substance when used in analgesic amounts; however, it frequently produces acute hepatic necrosis after overdose.

The generally accepted therapeutic range of acetaminophen is 10 - 20 mcg/mL of plasma; however, there are considerable individual differences in plasma concentrations.

Symptoms of acetaminophen overdose usually are not seen immediately but are reflected in hepatic damage after 1/2 to 6 days with concentrations of 120 mcg/mL and above. A reported range of blood levels in individuals succumbing to acetaminophen overdose ranged from 160 - 390 mcg/mL.

Chain of custody documentation has been maintained for the analyses performed by NMS Labs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) weeks from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.

Analysis Summary and Reporting Limits:

Acode 0030B - Acetaminophen, Blood - Peripheral Blood

-Analysis by High Performance Liquid Chromatography (HPLC) for:

<u>Compound</u>	<u>Rpt. Limit</u>	<u>Compound</u>	<u>Rpt. Limit</u>
Acetaminophen	0.50 mcg/mL		