



NMS Labs

TESTING: TESTLIMS

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Toxicology Report

Report Issued 08/10/2016 08:46

To: 88888
NMS Labs
Attn: Example Report
3701 Welsh Road
Willow Grove, PA 19090

Patient Name Patient last Name, First name
Patient ID Patient ID here
Chain 16000676
Age 30 Y **DOB** Not Given
Gender Female
Workorder 16000676
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DEMOGRAPHICS

Positive Findings:

| Compound | Result | Units | Matrix Source |
|-------------------|--------|-------------|---------------|
| Carboxyhemoglobin | 66 | %Saturation | 001 - Blood |

See Detailed Findings section for additional information

Testing Requested:

| Analysis Code | Description |
|---------------|--|
| 1002B | Carbon Monoxide Exposure Biouptake Screen, Blood |

Specimens Received:

| ID | Tube/Container | Volume/ Mass | Collection Date/Time | Matrix Source | Miscellaneous Information |
|-----|----------------|-----------------|-------------------------|---------------|------------------------------|
| 001 | Clear vial | Not Given | 05/09/2016 12:00 | Blood | |

All sample volumes/weights are approximations.

Specimens received on 05/10/2016.

RESULTS / SAMPLE DETAIL

NMS LABS
FORM
VERSION
NUMBER

NMS v.16.0

Detailed Findings:

| Analysis and Comments | Result | Units | Rpt. Limit | Specimen Source | Analysis By |
|-----------------------|--------|-------------|------------|-----------------|-------------|
| Carboxyhemoglobin | 66 | %Saturation | 2 | 001 - Blood | GC/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.

RESULT DETAILS

Reference Comments:

1. Carboxyhemoglobin (COHb) - Blood:

Hemoglobin is a protein found in red blood cells that is responsible for the oxygen carrying capacity of blood. In normal conditions, hemoglobin receives oxygen via blood circulation through the lungs and delivers the oxygen to tissues and organs throughout the body. In situations where the inspired air is high in carbon monoxide concentration, the hemoglobin then binds the carbon monoxide in place of oxygen. This leads to a functional deficiency in oxygen delivery to the organs and tissues of the body.

Measurement of carbon monoxide hemoglobin saturation gives an indication of the carbon monoxide concentration in the inspired air and its possible sequelae. Normal endogenous carboxyhemoglobin levels are generally up to 4% in non-smokers and up to 8% in smokers (although it may be higher); toxic symptoms may be noted at levels >10%. Concentrations over 10% saturation have been reported to produce adverse effects, e.g., headache and nausea. Deaths from carbon monoxide, in the absence of resuscitative measures, generally have associated carboxyhemoglobin levels >40%. However, individuals with a compromised cardiovascular system are at a potentially greater risk of toxic effects at much lower carbon monoxide hemoglobin saturation values.

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.

REFERENCE COMMENTS

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.

Acode 1002B - Carbon Monoxide Exposure Biouptake Screen, Blood

-Analysis by Spectrophotometry (SP) for:

| Compound | Rpt. Limit | Compound | Rpt. Limit |
|-------------------|---------------|----------|------------|
| Carboxyhemoglobin | 5 %Saturation | | |

Acode 5654B - Carbon Monoxide Exposure Biouptake Confirmation, Blood

-Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) for:

| Compound | Rpt. Limit | Compound | Rpt. Limit |
|-------------------|---------------|----------|------------|
| Carboxyhemoglobin | 2 %Saturation | | |

SCOPE OF TESTING AND REPORTING LIMITS