

Patient: BERNSTEIN, SIMON
Client Patient ID: 15-12-913
Physician: BELL, MICHAEL

Age: 113 **Sex:** M
Account#: VX39518
Client: DIST 15 MEDICAL EXAMINER

TOXICOLOGY

Specimen Collected :02/11/2014

Lab Order No: 381300564

Reg Date: 02/13/14

Test Name	Result	Units	Cutoff/Reporting Limits
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COMMENTS: Test performed on postmortem specimen. The validity of the test, clinical significance, and criteria for interpretation have not been established for this sample type. Normal ranges may not apply.

METALS/METALLOIDS PANEL 3 - M3NMS

SPECIMEN TYPE

BLOOD

CHROMIUM NONE DETECTED mcg/L 2.0
reporting limit, reporting limit is 1.0

Normally:
Less than 2 mcg/L.

CADMIUM 8.5 mcg/L 1.0

Normally:
Less than 5 mcg/L

Refer to the OSHA website for workplace information. Various states require that Blood Cadmium levels above certain cutoffs must be reported to the state in which the patient resides.

Please contact NMS Labs if you need assistance in supplying your state with the required information.

ZPP 130 mcg/dL 2.0

OSHA occupational threshold:
100 mcg/dL blood at hematocrit of 42.

LEAD NONE DETECTED mcg/dL 1.1

Reporting limit, reporting limit is 0.50

Reported geometric mean blood lead concentration for US population (both adults and children) is less than 3 mcg/dL (taking into account the 95% CI).

The following are the reported age-based 50th and 95th percentiles (with 95% CI)*:

Age 1 - 5 years:

50th Percentile: 1.50 mcg/dL (1.40 - 1.70)

95th Percentile: 5.80 mcg/dL (4.70 - 6.90)

Age 6 - 11 years:

50th Percentile: 1.10 mcg/dL (1.00 - 1.30)

95th Percentile: 3.70 mcg/dL (3.00 - 4.70)

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Age 12 - 19 years:

50th Percentile: 0.80 mcg/dL (0.800 - 0.900)

95th Percentile: 2.70 mcg/dL (2.30 - 2.90)

Age 20 years and above:

50th Percentile: 1.60 mcg/dL (1.50 - 1.60)

95th Percentile: 4.60 mcg/dL (4.20 - 4.90)

*National Health and Nutrition Examination Survey, 2001-2002 data; Third National Report on Human Exposure to Environmental Chemicals, Department of Health and Human Services, Centers for Disease Control and Prevention.

It is reported that blood levels in the range of 5 - 9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger. Additionally, the following guidelines are offered by US Centers for Disease Control and Prevention, especially in respect to children:

10 - 14 mcg/dL is moderately high and may require re-screening.

20 - 44 mcg/dL is high and may require immediate medical attention.

45 - 69 mcg/dL requires urgent attention.

Greater than 70 mcg/dL is a medical emergency.

Refer to OSHA's website for workplace information. Various states require that blood lead concentrations above certain mandated cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.

ARSENIC	18	mcg/L	11
reporting limit, reporting limit is 5.0			

Normally: Less than 10 mcg/L.

Seafood consumption within 2 to 3 days before specimen collection can markedly increase total Arsenic levels.

Various states require that levels above certain cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.

MERCURY	4.1	mcg/L	3.0
Normally: Less than 10 mcg/L.			



Wuesthoff Reference Laboratory

6800 Spyglass Court
Melbourne, Florida 32940
Julie Bell, M.D., Laboratory Director

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Various States require that Blood Mercury levels above certain cutoffs must be reported to the state in which the patient resides. Please contact NMS Labs if you need assistance in supplying your state with the required information.

Specimens were intact upon receipt. Chain of custody, specimen security and integrity has been maintained. Testing has been performed as requested

Reviewed by: *Susan Rade* Date: 3-10-14

FINAL REPORT - THIS COMPLETES REPORTING ON THIS CASE

TOXICOLOGY_REPORT

BERNSTEIN, SIMON

Form: MM Single RLIT

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