

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/6/2004  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Heavy Metals Panel 3, Random Urine with Reflex to Arsenic Fractionated**

ARUP test code 2011304

Creatinine, Urine - per volume	191 mg/dL
Lead, Urine - per volume	<5.0 ug/L (Ref Interval: 0.0-5.0) INTERPRETIVE INFORMATION: Lead, Urine Quantification of urine excretion rates before or after chelation therapy has been used as an indicator of lead exposure. Urinary excretion of >125 mg of lead per 24 hours is usually associated with related evidence of lead toxicity. See Compliance Statement B: aruplab.com/CS
Lead, Urine - ratio to CRT	Not Applicable ug/g CRT (Ref Interval: 0.0-5.0) Unable to accurately calculate the creatinine normalized result due to a low per volume result.
Mercury, Urine - per volume	<2.5 ug/L (Ref Interval: 0.0-5.0) INTERPRETIVE INFORMATION: Mercury, Urine Urinary mercury levels predominantly reflect acute or chronic elemental or inorganic mercury exposure. Urine concentrations in unexposed individuals are typically less than 10 ug/L. 24 hour urine concentrations of 30 to 100 ug/L may be associated with subclinical neuropsychiatric symptoms and tremors. Concentrations greater than 100 ug/L can be associated with overt neuropsychiatric disturbances and tremors. Urine mercury levels may be useful in monitoring chelation therapy. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS
Mercury, Urine - ratio to CRT	<1.3 ug/g CRT (Ref Interval: 0.0-20.0) Unable to accurately calculate the creatinine normalized result due to a low per volume result.

**H=High, L=Low, \*=Abnormal, C=Critical**

**Arsenic Urine - per volume**

10.5 ug/L (Ref Interval: 0.0-34.9)

INTERPRETIVE INFORMATION: Arsenic, Urine w/ Reflex to Fractionated

The ACGIH Biological Exposure Index (BEI) for arsenic in urine is 35 ug/L. The ACGIH BEI is based on the sum of inorganic and methylated species. For specimens with a total arsenic concentration of 35 to 2000 ug/L, fractionation is automatically performed to determine the proportions of inorganic, methylated and organic species. It may be appropriate to request fractionation for specimens with total arsenic greater than 30 ug/gCRT despite a total arsenic concentration less than 35 ug/L. If low-level chronic poisoning is suspected, the ug/gCRT ratio may be a more sensitive indicator of arsenic exposure than the total arsenic concentration.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

**Arsenic, Urine - ratio to CRT**

5.5 ug/g CRT (Ref Interval: 0.0-29.9)

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Creatinine, Urine - per volume	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - per volume	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - ratio to CRT	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - per volume	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - ratio to CRT	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic Urine - per volume	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Urine - ratio to CRT	20-366-106229	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical