

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 6/18/1954  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

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

ARUP test code 0099475

Hours Collected	24 hr	
	Per 24h calculations are provided to aid interpretation for collections with a duration of 24 hours and an average daily urine volume. For specimens with notable deviations in collection time or volume, ratios of analytes to a corresponding urine creatinine concentration may assist in result interpretation.	
Total Volume	1100 mL	
Creatinine, Urine - per volume	100 mg/dL	
Creatinine, Urine - per 24h	1100 mg/d	(Ref Interval: 500-1400)
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. 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.	
Lead, Urine - per 24h	Not Applicable ug/d	(Ref Interval: 0.0-8.1)
Lead, Urine - ratio to CRT	Not Applicable ug/g CRT	(Ref Interval: 0.0-5.0)

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

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.  
 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.

Mercury, Urine - per 24h Not Applicable ug/d (Ref Interval: 0.0-20.0)

Mercury, Urine - ratio to CRT Not Applicable ug/g CRT (Ref Interval: 0.0-20.0)

Unable to accurately calculate the creatinine normalized result due to a low per volume result.

Arsenic Urine - per volume <10.0 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 elevated total arsenic results, fractionation is automatically performed to determine the proportions of inorganic, methylated and organic species.

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 - per 24h Not Applicable ug/d (Ref Interval: 0.0-49.9)

Arsenic, Urine - ratio to CRT Not Applicable ug/g CRT (Ref Interval: 0.0-29.9)

Unable to accurately calculate the creatinine normalized result due to a low per volume result.

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Hours Collected	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Volume	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per volume	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per 24h	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - per volume	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - per 24h	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - ratio to CRT	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - per volume	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - per 24h	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - ratio to CRT	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic Urine - per volume	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic Urine - per 24h	23-102-106977	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Urine - ratio to CRT	23-102-106977	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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 23-102-106977  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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