

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/22/1957
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Heavy Metals Panel 4, Urine with Reflex to Arsenic Fractionated

ARUP test code 0020572

Hours Collected	24 hr	
Total Volume	3300 mL	
Creatinine, Urine - per volume	17 mg/dL	
Creatinine, Urine - per 24h	561 mg/d	(Ref Interval: 500-1400)
Cadmium, Urine - per volume	<1.0 ug/L	(Ref Interval: 0.0-1.0) INTERPRETATION INFORMATION: Cadmium, Urine Urine cadmium levels can be used to assess cadmium body burden. In chronic exposures, the kidneys are the primary target organ. Symptoms associated with cadmium toxicity vary based upon route of exposure and may include tubular proteinuria, fever, headache, dyspnea, chest pain, conjunctivitis, rhinitis, sore throat and cough. Ingestion of cadmium in high concentration may cause vomiting, diarrhea, salivation, cramps, and abdominal pain. See Compliance Statement B: aruplab.com/CS
Cadmium, Urine - per 24h	Not Applicable ug/d	(Ref Interval: 0.0-3.2)
Cadmium, Urine - ratio to CRT	Not Applicable ug/g CRT	(Ref Interval: 0.0-3.2) Unable to accurately calculate the creatinine normalized result due to a low per volume result.
Lead, Urine - per volume	<5.0 ug/L	(Ref Interval: 0.0-5.0)

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

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.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Arsenic Urine - per 24h	Not Applicable ug/d	(Ref Interval: 0.0-49.9)
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Arsenic, Urine - ratio to CRT	Not Applicable ug/g CRT	(Ref Interval: 0.0-29.9)
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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	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Volume	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per volume	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per 24h	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cadmium, Urine - per volume	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cadmium, Urine - per 24h	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cadmium, Urine - ratio to CRT	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - per volume	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - per 24h	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lead, Urine - ratio to CRT	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - per volume	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - per 24h	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mercury, Urine - ratio to CRT	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic Urine - per volume	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic Urine - per 24h	19-137-135235	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Urine - ratio to CRT	19-137-135235	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
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 19-137-135235
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 4 of 4 | Printed: 2/19/2021 2:57:20 PM
4848