

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 10/10/2000  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Arsenic, Random Urine with Reflex to Fractionated**

ARUP test code 2011478

Creatinine, Urine - per volume 175 mg/dL

Arsenic Urine - per volume **50.0 ug/L H (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 28.6 ug/g CRT (Ref Interval: 0.0-29.9)

**Arsenic, Fractionated, Urine**

ARUP test code 0020734

Arsenic, Organic 50.0 ug/L

Arsenic, Inorganic <10.0 ug/L

Arsenic, Methylated <10.0 ug/L

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

**INTERPRETIVE INFORMATION: Arsenic, Fractionated Urine**

The ACGIH Biological Exposure Index for the sum of inorganic and methylated species of arsenic is 35 ug/L. Inorganic species of arsenic are most toxic. Methylated species arise primarily from metabolism of inorganic species but may also come from dietary sources and are of moderate toxic potential. The organic species of arsenic are considered nontoxic and arise primarily from food. The sum of the inorganic, methylated, and organic species of arsenic may be lower than the total arsenic concentration due to the presence of unidentified organic species of arsenic.

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**VERIFIED/REPORTED DATES**

Procedure	Accession	Collected	Received	Verified/Reported
Creatinine, Urine - per volume	21-078-101702	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic Urine - per volume	21-078-101702	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Urine - ratio to CRT	21-078-101702	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Organic	21-078-101702	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Inorganic	21-078-101702	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arsenic, Methylated	21-078-101702	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:*