

Specimen Collected: 16-Sep-21 11:33

Arsenic, Urine w/ Reflex to Fractionated	 Received: 16-Sep-21 11:33	Report/Verified: 16-Sep-21 11:49
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Procedure	Result	Units	Reference Interval
Hours Collected	24 ^{f1}	hr	
Total Volume	1000	mL	
Creatinine, Urine -per volume	100	mg/dL	
Creatinine, Urine -per 24h	1000	mg/d	1000-2500
Arsenic Urine -per volume	100.0 ^{H i1}	ug/L	0.0-34.9
Arsenic Urine -per 24h	100.0 ^H	ug/d	0.0-49.9
Arsenic, Urine -ratio to CRT	100.0 ^H	ug/g CRT	0.0-29.9

Arsenic, Fractionated, Urine	 Received: 16-Sep-21 11:33	Report/Verified: 16-Sep-21 11:57
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Procedure	Result	Units	Reference Interval
Arsenic, Organic	100.0	ug/L	
Arsenic, Inorganic	<10.0	ug/L	
Arsenic, Methylated	<10.0 ⁱ²	ug/L	

Result Footnote

f1: Hours Collected

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.

Test Information

i1: Arsenic Urine - per volume

INTERPRETIVE INFORMATION: Arsenic, Urine w/ Reflex to Fractionated

The ACGIH Biological Exposure Index (BEI) for arsenic in urine is 35 µg/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.

i2: Arsenic, Methylated

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

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

ARUP Accession: 21-259-900062**Report Request ID:** 15048341**Printed:** 16-Sep-21 12:23

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Test Information

i2: Arsenic, Methylated

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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