



Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/Verified
Hours Collected	24	hr		17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Total Volume	1800	mL		17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Creatinine, Urine - per volume	85	mg/dL		17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Creatinine, Urine - per 24h	1530	mg/d	[700-1,600]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Cadmium, Urine - per volume	<1.0	ug/L	[0.0-1.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Cadmium, Urine - per 24h	Not Applicable	ug/d	[0.0-3.2]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Cadmium, Urine - ratio to CRT	Not Applicable	ug/g CRT	[0.0-3.2]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Lead, Urine - per volume	<5.0 H	ug/L	[0.0-1.4]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Lead, Urine - per 24h	Not Applicable	ug/d	[0.0-8.1]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Lead, Urine - ratio to CRT	Not Applicable	ug/g CRT	[0.0-1.4]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Copper, Urine - per volume	<1.0	ug/dL	[0.3-3.2]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Copper, Urine - per 24h	Not Applicable	ug/d	[3.0-45.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Copper, Urine - ratio to CRT	Not Applicable	ug/g CRT	[10.0-45.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Mercury, Urine - per volume	<2.5 H	ug/L	[0.0-1.9]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Mercury, Urine - per 24h	Not Applicable	ug/d	[0.0-2.9]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Mercury, Urine - ratio to CRT	Not Applicable	ug/g CRT	[0.0-20.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Zinc, Urine - per volume	<10.0 L	ug/dL	[15.0-120.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Zinc, Urine - per 24h	Not Applicable	ug/d	[150.0-1,200.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Zinc, Urine - ratio to CRT	Not Applicable	ug/g CRT	[110.0-750.0]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Arsenic Urine - per volume	<10.0	ug/L	[0.0-34.9]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Arsenic Urine - per 24h	Not Applicable	ug/d	[0.0-49.9]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52
Arsenic, Urine - ratio to CRT	Not Applicable	ug/g CRT	[0.0-29.9]	17-256-900026	13-Sep-17 08:53:00	13-Sep-17 08:56:00	13-Sep-17 10:59:52

13-Sep-17 08:53:00 Cadmium, Urine - ratio to CRT:

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

13-Sep-17 08:53:00 Lead, Urine - ratio to CRT:

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

13-Sep-17 08:53:00 Copper, Urine - ratio to CRT:

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

13-Sep-17 08:53:00 Mercury, Urine - ratio to CRT:

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

13-Sep-17 08:53:00 Zinc, Urine - ratio to CRT:

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

13-Sep-17 08:53:00 Arsenic, Urine - ratio to CRT:

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

13-Sep-17 08:53:00 Cadmium, Urine - per volume:

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

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

13-Sep-17 08:53:00 Lead, Urine - per volume:
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

13-Sep-17 08:53:00 Copper, Urine - per volume:
INTERPRETIVE INFORMATION: Copper, Urine

Individuals with symptomatic Wilson disease usually excrete more than 100 ug copper per day. Other conditions associated with elevated urine copper include cholestatic liver disease, proteinuria, some medications, and contaminated specimens.

Although random specimens may contain diagnostic information, a 24-hour collection is a more consistent indicator of urine copper.

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

13-Sep-17 08:53:00 Mercury, Urine - per volume:
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

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13-Sep-17 08:53:00 Zinc, Urine - ratio to CRT:
INTERPRETIVE INFORMATION: Zinc, Urine

Zinc is predominantly eliminated in the feces. Elevated urine zinc may suggest excessive zinc supplementation but should be interpreted with a corresponding serum zinc concentration.

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

13-Sep-17 08:53:00 Arsenic Urine - per volume:
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

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