

Reporting Title: Heavy Metal Scrn w/Reflex, 24 Hr, U**Performing Location:** Rochester**Specimen Requirements:**

1. High concentrations of gadolinium and iodine are known to interfere with most metal tests. If either gadolinium- or iodine-containing contrast media has been administered, a specimen should not be collected for 96 hours.

2. Patient should not eat seafood for a 48-hour period prior to start of, or during, collection.

Supplies: Urine Tubes, 10 mL (T068)

Collection Container/Tube: Clean, plastic aliquot container with no metal cap or glued insert

Submission Container/Tube: Plastic, 10-mL urine tube

Specimen Volume: 10 mL

Collection Instructions:

1. Collect urine for 24 hours.

2. Refrigerate specimen within 4 hours of completion of 24-hour collection.

3. See Metals Analysis Specimen Collection and Transport for complete instructions.

Additional Information: See Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens for multiple collections.

Specimen Minimum Volume:

3 mL

Urine Preservative Collection Options:

Note: The addition of preservative or application of temperature controls must occur within 4 hours of completion of the collection.

Ambient No

Refrigerate Preferred

Frozen OK

50% Acetic Acid OK

Boric Acid No

Diazolidinyl Urea No

6M Hydrochloric Acid OK

6M Nitric Acid No

Sodium Carbonate No

Thymol No

Toluene No

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	7 days	
	Frozen	7 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CDHMU	TIME4	Collection Duration	Plain Text	Yes
CDHMU	VL16	Total Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
48539	Arsenic, 24 Hr, U Also used by tests: ASHU	Numeric	mcg/24 h	5587-1
92215	Total Arsenic Concentration Also used by tests: ASHU	Numeric	mcg/L	21074-0
8678	Cadmium, 24 Hr, U Also used by tests: CDHMU	Numeric	mcg/24 h	5612-7
TIME4	Collection Duration Also used by tests: CDHMU	Alphanumeric		13362-9
VL16	Total Volume Also used by tests: CDHMU	Alphanumeric		3167-4
92408	Mercury, 24 Hr, U Also used by tests: HGHU	Numeric	mcg/24 h	6693-6
92409	Lead, 24 Hr, U Also used by tests: PBHU	Numeric	mcg/24 h	5677-0

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
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Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
ASHU	Arsenic, 24 Hr, U			Yes	Yes (order ASU24)
CDHMU	Cadmium, 24 Hr, U			Yes	Yes (order CDU)
HGHU	Mercury, 24 Hr, U			Yes	Yes (order HGU)
PBHU	Lead, 24 Hr, U			Yes	Yes (order PBU)

CPT Code Information:

82175
82300
83825
83655

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
SPASU	Arsenic Speciation, 24 Hr, U			No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
SPASU	609384	Inorganic Arsenic (Toxic)	Alphanumeric	mcg/L	41992-9
SPASU	609385	Methylated Arsenic (Toxic)	Alphanumeric	mcg/L	96252-2
SPASU	609386	Organic Arsenic (Non-Toxic)	Alphanumeric	mcg/L	43181-7
SPASU	609406	Toxic Arsenic Concentration	Alphanumeric	mcg/L	96251-4
SPASU	609387	Total Arsenic Concentration	Numeric	mcg/L	21074-0

Reference Values:**ARSENIC:**

0-17 years: Not established
> or =18 years: <35 mcg/24 h

CADMIUM:

0-17 years: Not established
> or =18 years: <0.7mcg/24 h

MERCURY:

0-17 years: Not established
> or =18 years: <2 mcg/24 h
Toxic concentration: >50 mcg/24 h

The concentration at which toxicity is expressed is widely variable between patients.
50 mcg/24 h is the lowest concentration at which toxicity is usually apparent.

LEAD:

0-17 years: Not established
> or =18 years: <2 mcg/24 h