

**Reporting Title:** Heavy Metal/Creat Ratio,w/Reflex,U**Performing Location:** Rochester**Specimen Requirements:**

Patient Preparation:

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

-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.

Supplies: Urine Tubes, 10 mL (T068)

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

Submission Container/Tube: Plastic, 10-mL urine tube or clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 6 mL

Collection Instructions:

1. Collect a random urine specimen.
2. See Metals Analysis Specimen Collection and Transport for complete instructions.

**Specimen Minimum Volume:**

3 mL

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

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
608900	Arsenic/Creatinine Ratio, U <b>Also used by tests: ASCU</b>	Numeric	mcg/g Cr	13463-5
608901	Total Arsenic Concentration <b>Also used by tests: ASCU</b>	Numeric	mcg/L	5586-3
608902	Cadmium/Creatinine Ratio, U <b>Also used by tests: CDCU</b>	Numeric	mcg/g Cr	13471-8
608903	Mercury/Creatinine Ratio, U <b>Also used by tests: HGCU</b>	Numeric	mcg/g Cr	13465-0

Result ID	Reporting Name	Type	Unit	LOINC®
608904	Lead/Creatinine Ratio, U <b>Also used by tests: PBCU</b>	Numeric	mcg/g Cr	13466-8
CRETR	Creatinine, Random, U	Numeric	mg/dL	2161-8

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
ASCU	Arsenic/Creatinine Ratio, U			Yes	Yes (order ASUCR)
CDCU	Cadmium/Creatinine Ratio, U			Yes	Yes (order CDUCR)
HGCU	Mercury/Creatinine Ratio, U			Yes	Yes (order HGUCR)
PBCU	Lead/Creatinine Ratio, U			Yes	Yes (order PBU CR)
CRETR	Creatinine, Random, U			Yes	No

### CPT Code Information:

82175  
82300  
83825  
83655  
82570

### Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
SPAS	Arsenic Speciation, Random, U			No	Yes

**Result Codes for Reflex Tests:**

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
SPAS	607692	Inorganic Arsenic (Toxic)	Alphanumeric	mcg/L	12481-8
SPAS	607693	Methylated Arsenic (Toxic)	Alphanumeric	mcg/L	53779-5
SPAS	607694	Organic Arsenic (Non-Toxic)	Alphanumeric	mcg/L	53778-7
SPAS	609405	Toxic Arsenic Concentration	Alphanumeric	mcg/L	96250-6
SPAS	607691	Total Arsenic Concentration	Numeric	mcg/L	5586-3

**Reference Values:****ARSENIC/CREATININE:**

0-17 years: Not established  
> or =18 years: <24 mcg/g creatinine

**CADMIUM/CREATININE:**

0-17 years: Not established  
> or =18 years: <0.6 mcg/g creatinine

**MERCURY/CREATININE:**

0-17 years: Not established  
> or =18 years: <2 mcg/g creatinine

**LEAD/CREATININE:**

0-17 years: Not established  
> or =18 years: <2 mcg/g creatinine