

Reporting Title: Heavy Metal Occ Exp w/Reflex, U
Performing Location: Rochester

Specimen Requirements:

Patient Preparation:

1. Patient should not eat seafood for a 48-hour period prior to start of collection.
2. 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 Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	7 days	
	Frozen	7 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CRETR	Creatinine, Random, U	Numeric	mg/dL	2161-8
608890	Arsenic Occupational Exposure	Numeric	mcg/g Cr	13463-5
608891	Total Arsenic Concentration	Numeric	mcg/L	5586-3
608892	Cadmium Occupational Exposure	Numeric	mcg/g Cr	13471-8
608893	Mercury Occupational Exposure	Numeric	mcg/g Cr	13465-0
608894	Lead Occupational Exposure	Numeric	mcg/g Cr	13466-8

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
ASOU	Arsenic Occupational Exposure			Yes	Yes, (order ASUOE)
CDOU	Cadmium Occupational Exposure			Yes	Yes, (order CDUOE)
HGOU	Mercury Occupational Exposure			Yes	Yes, (order HGUOE)

PBOU	Lead Occupational Exposure			Yes	Yes, (order PBOUE)
CRETR	Creatinine, Random, U	1	82570	Yes	No

CPT Code Information:

82175
82300
83825
83655
82570

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
SPAS	Arsenic Speciation, Random, U	1	82175	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:
Biological Exposure Indices (BEI): <35 mcg/L at end of work week

CADMIUM:
BEI: <5.0 mcg/g creatinine

MERCURY:
BEI: <35 mcg/g creatinine

LEAD:
BEI: <150 mcg/g creatinine