

Reporting Title: Arsenic Speciation, Random, 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 at least 96 hours.

Supplies:

- Urine Tubes, 10 mL (T068)
- Sarstedt Aliquot Tube 5 mL (T914)

Collection Container/Tube: Clean, plastic urine collection container

Submission Container/Tube: Plastic vial or a clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 5 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)	28 days	
	Frozen	28 days	
	Ambient	72 hours	

Result Codes:

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

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

Supplemental Report:

No

CPT Code Information:

82175

Reference Values:

TOXIC ARSENIC  
<35 mcg/L

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Reference values apply to all ages.

**Arsenic Speciation Interpretive Information:**

The toxic arsenic concentration represents the sum of the inorganic and methylated arsenic species. The reference value for toxic arsenic is <35 mcg/L. This value is based on the ACGIH Biological Exposure Index (BEI), which does not include the nontoxic organic arsenic.