

Reporting Title: Arsenic Speciation, 24 Hr, 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)

Collection Container/Tube: Clean, plastic urine collection container

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

Specimen Volume: 10 mL

Collection Instructions:

1. Collect urine for 24 hours.
2. Refrigerate urine specimen within 4 hours of completion of 24-hour collection
3. See Metals Analysis Specimen Collection and Transport for complete instructions.

Additional Information: For multiple collections see Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens

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)	28 days	
	Frozen	28 days	

	Ambient	72 hours	
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Result Codes:

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

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82175

Reference Values:**TOXIC ARSENIC**

<35 mcg/L

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 American Conference of Governmental Industrial Hygienists (ACGIH) Biological Exposure Index (BEI), which does not include the non-toxic organic arsenic.