

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 Minimum Volume:

3 mL

| 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

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.