

## Arsenic Speciation, 24 Hour, Urine

**Test ID:** SPASU

**Useful for:**

Diagnosis of arsenic intoxication using 24 hour urine specimens

**Methods:**

Ion Chromatography Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

**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.

**Specimen Requirements:**

**Container/Tube:** Urine Tube, 10 mL (T068)

**Preferred:** Refrigerate

**Specimen Volume:** 10 mL

**Collection Instructions:**

1. Collect urine for 24 hours.
2. Refrigerate specimen within 4 hours of completion of 24-hour collection
3. See [Trace Metals Analysis Specimen Collection and Transport](#) in Special Instructions for complete instructions.

**Additional Information:** See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) in Special Instructions for multiple collections.

**Specimen Stability Information:**

| Specimen Type | Temperature                 | Time     |
|---------------|-----------------------------|----------|
| Urine         | Refrigerated<br>(preferred) | 28 days  |
|               | Ambient                     | 72 Hours |
|               | Frozen                      | 28 days  |

**Cautions:**

Consumption of seafood before collection of a urine specimen for arsenic testing is likely to result in a report of an elevated concentration of organic arsenic, which can be clinically misleading.

**CPT Code:**

82175

**Day(s) Setup:** Monday through Friday; 8 a.m.

**Analytic Time:** 2 days

**Questions**

Contact Rebekah Knauer, Laboratory Technologist Resource Coordinator at 800-533-1710.