

Quarterly HOTLINE: Effective **November 12, 2018**

0099475

Heavy Metals Panel 3, Urine with Reflex to Arsenic Fractionated

HY MET U

Performed: Sun-Sat
Reported: 1-3 days

Specimen Required: Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours. High concentrations of iodine may interfere with elemental testing. **Collection of urine specimens from patients receiving iodinated or gadolinium-based contrast media should be avoided for a minimum of 72 hours post-exposure. Collection from patients with impaired kidney function should be avoided for a minimum of 14 days post-contrast media exposure.**

Collect: 24-hour or random urine collection. Specimen must be collected in a plastic container and should be refrigerated during collection. **ARUP studies indicate that refrigeration of urine alone, during and after collection, preserves specimens adequately if tested within 14 days of collection.**

Specimen Preparation: Transfer 8 mL aliquot from a well-mixed collection to ARUP Trace Element-Free Transport Tubes (ARUP supply #43116). Available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787. (Min: 2 mL)

Storage/Transport Temperature: Refrigerated. Also acceptable: Room temperature or frozen.

Remarks: Trace Elements requisition form may be required (ARUP form #32990-Barcode; #32991-No Barcode). Record total volume and collection time interval on transport tube and on test request form.

Unacceptable Conditions: **Urine collected within 72 hours after administration of iodinated or gadolinium-based contrast media.** Acid preserved urine. Specimens contaminated with blood or fecal material. Specimens transported in non-trace element-free transport tube (with the exception of the original device).

Stability (collection to initiation of testing): Ambient: 1 week; Refrigerated: 2 weeks; Frozen: 1 year

Reference Interval:

Test Number	Components	Reference Interval
0025000	Arsenic, Urine with Reflex to Fractionated	Effective November 13, 2017
		Test Number Components Reference Interval
		Arsenic, Urine - per volume 0-34.9 µg/L (based on Biological Exposure Index)
		Arsenic, Urine - per 24h 0-49.9 µg/d
		Arsenic, Urine - ratio to CRT 0.0-29.9 µg/gCRT
0020734	Arsenic, Fractionated, Urine	Refer to report
	Creatinine, Urine - per 24h	Refer to report
0025060	Lead, Urine	Effective November 12, 2018
		Test Number Components Reference Interval
		Lead, Urine - per volume 0.0-5.0 µg/L
		Lead, Urine - per 24h 0.0-8.1 µg/d
		Lead Urine-ratio to CRT 0.0-5.0 ug/gCRT
Creatinine, Urine - per 24h Refer to report		
0025050	Mercury, Urine	Effective November 12, 2018
		Test Number Components Reference Interval
		Mercury, Urine - per volume 0.0-5.0 µg/L
		Mercury, Urine - per 24h 0.0-20.0 µg/d
		Mercury, Urine - ratio to CRT 0.0-20.0 µg/gCRT
Creatinine, Urine - per 24h Refer to report		