

Sample Collection Outline

PREPARE

- Complete *Sample Kit Collection Checklist*.
- Place all appropriate labels on corresponding containers.
- Prepare all forms for in the field with appropriate participant labels.

INFORM PARTICIPANT

- Complete *Patient Consent Form*.
- Administer exposure assessment survey.
- Review *Urine Sample Collection Protocol* and provide participant with all materials.
- Schedule pick-up time and complete *Sample Collection First Visit Checklist*.

WATER SAMPLE

- Allow water faucet to run cold water for 2-3 minutes.
- Wearing nitrile gloves, fill 250mL HDPP bottle to shoulder with water sample.
- Secure tightly and place in transport cooler.

SPECIMEN RETRIEVAL

- Review collection with participant.
- Wearing powder-free nitrile gloves, match participant ID and completed forms.
- Place specimen in biohazard Ziploc in transport cooler.
- Complete: *Chain of Custody form, Urine Sample Information Sheet and Sample Collection Specimen Retrieval Checklist*.

ARSENIC SPECIATION

- Wearing gloves, rinse beaker with DI water and pour water sample into beaker to fill line.
- Extract water from beaker with 30mL syringe.
- Push 30mL of water through As speciation cartridge into covered 250mL HDPP bottle.
- Seal both water sample and speciated sample caps with sealing tape and place in cooler.

ALIQUOT URINE Hg

- Place adsorbent pad on flat surface and match participant ID on specimen and falcon tube.
- Wearing gloves, aliquot 4.5mL of urine into falcon tube and apply screw cap.
- Apply sealing tape to urine specimen container and falcon tube.
- Discard of gloves, syringe and adsorbent pad into biohazard waste bag.