



OCCUPATIONAL CADMIUM EXPOSURE PANEL COLLECTION INSTRUCTIONS

Manufacturer

ARUP Laboratories

Kit/Reagent Purpose

To monitor workers exposed to cadmium

0025013 Cadmium Exposure Panel - OSHA

Kit/Reagent Contents

- Standard urine collection cup, capped
- 6 mL royal blue tube
- Three urine transport tubes for the following tests:
 - Labeled "Creatinine"
 - Labeled "B2M" (contains MOPSO)
 - Labeled "Cadmium"
- Absorbent pad
- Collection instruction sheet

Specimen Requirements

Blood and urine specimens should be collected the same day. Refrigerate all specimens immediately after collection. Freeze the Beta-2-Microglobulin (B2M) urine specimen as soon as possible.

Specimen Collection

- To avoid contamination, please collect samples at the beginning of work shifts.
- Blood for cadmium: Collect one 6 mL royal blue tube of whole blood using aseptic technique.
- Urine (all tests): Collect 40+ mL using "spot" technique (i.e., single void) in open top urine collection cup provided.
- Urine for B2M: Pour off aliquot from original urine collection into the provided ARUP standard tube labeled B2M. pH this sample immediately after pouring off collection so that pH is between 6 and 8. Use 1M HCl or 5% NaOH to adjust the urine pH. Freeze as soon as possible (within 1 hour).
- Urine for cadmium: Pour off aliquot from original urine collection into the provided ARUP standard tube labeled Cadmium.
- Urine for creatinine: Pour off aliquot from original urine collection into the provided ARUP standard tube labeled Creatinine.
- Print patient name on both bags (see space on labels).
- Place number label from test request form on each bag (large bag and small bag).
- Place copy of test request form in each bag.
- Discard collection cup after use.

Specimen Storage/Transport

Blood and urine for cadmium: Ship specimens to ARUP at 2–8°C.

Urine for creatinine: Ship specimens to ARUP at 2–8°C.

Urine for B2M: Ship specimens to ARUP at -10– -20°C.

Safety Data Sheet (SDS)

Note: Applicable SDS can be found in the eSupply Catalog located on ARUP Connect™.