

Quarterly HOTLINE: Effective November 12, 2018

0020584 Heavy Metals Panel 4, Blood

HY MET B4

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.

Collect: Royal blue (K₂EDTA or Na₂EDTA).

Specimen Preparation: Transport 7 mL whole blood. (Min: 0.5 mL)

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

Remarks: Trace Elements requisition form may be required (ARUP form #32990).

Unacceptable Conditions: Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) tube or Trace Element-Free Transport Tube. Heparin anticoagulant. Clotted specimens.

Stability (collection to initiation of testing): Ambient: 1 week; Refrigerated: 1 week; Frozen: Unacceptable

Reference Interval:

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Test Number	Components	Reference Interval
0099045	Arsenic, Blood	0.0-12.0 µg/L
0099675	Cadmium, Blood	0.0-5.0 µg/L
0099305	Mercury, Whole Blood	0.0-10.0 µg/L
0020098	Lead, Blood (Venous)	0.0-4.9 µg/dL

Note: Mercury is volatile; concentration may decrease over time. If the specimen is drawn and stored in the appropriate container, the arsenic, cadmium, and lead values do not change with time.

HOTLINE NOTE: There is a numeric map change associated with this test.

Change the numeric map for component 0099305, Mercury, Whole Blood from XXXXX to XXX.X.