

0099305

Mercury, Whole Blood

HG B

Performed: Sun-Sat
Reported: 1-3 days

Specimen Required: Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and 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 in the original collection tube. (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: Effective November 12, 2018
 0.0-10.0 µg/L

Interpretive Data: Elevated results may be due to skin or collection-related contamination, including the use of a noncertified metal-free collection/transport tube. If contamination concerns exist due to elevated levels of blood mercury, confirmation with a second specimen collected in a certified metal-free tube is recommended.

Blood mercury levels predominantly reflect recent exposure and are most useful in the diagnosis of acute poisoning as blood mercury concentrations rise sharply and fall quickly over several days after ingestion. Blood concentrations in unexposed individuals rarely exceed 20 µg/L. The provided reference interval relates to inorganic mercury concentrations. Dietary and non-occupational exposure to organic mercury forms may contribute to an elevated total mercury result. Clinical presentation after toxic exposure to organic mercury may include dysarthria, ataxia and constricted vision fields with mercury blood concentrations from 20 to 50 µg/L.

See Compliance Statement B: www.aruplab.com/CS

Note: Mercury is volatile; concentration may decrease over 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.