TEST CHANGE

Heavy Metals Panel 3, <u>Whole</u> Blood				
0099470, HY MET B Specimen Requirements:				
Patient Preparation:	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 Royal blue (NaHep).			
Specimen Preparation:	Transport 3 or 6 mL whole blood in the original collection tube. (Min: 0.5 mL)			
Transport Temperature:	Room temperature. Also acceptable: Refrigerated.			
Unacceptable Conditions:	Specimens collected in tubes other than Royal blue (K2EDTA) or Royal blue (NaHep). Specimens transported in containers other than Royal blue (K2EDTA) or Royal blue (NaHep) or Trace Element-Free Transport Tube. Clotted specimens.			
Remarks:				
Stability:	Ambient: 1 week; Refrigerated: 1 week; Frozen: Unacceptable			
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)			
Performed:	Sun-Sat			
Reported:	1-4 days			
Note:	Mercury is volatile; concentration may decrease over time. If the specimen is drawn and stored in the appropriate container, the arsenic and lead values do not change with time.			
CPT Codes:	82175; 83655; 83825			
New York DOH Approval Status:	This test is New York DOH approved.			
Interpretive Data:				
Refer to report.				
Reference Interval:				



Test Number	Components	Reference Inte	Reference Interval	
	Lead, <u>Whole</u> Blood (Venous)	Less than or eq	Less than or equal to 3.4 μ g/L	
	Lead, Whole Blood (Venous)			
		Concentration	Comment	
		3.5-19.9 ug/dL	Children under the age of 6 years are the most vulnerable to the harmful effects of lead exposure. Environmental investigation and exposure history to identify potential sources of lead. Biological and nutritional monitoring are recommended. Follow-up blood lead monitoring is recommended.	
		20-44.9 ug/dL	Lead hazard reduction and prompt medical evaluation are recommended. Contact a Pediatric Environmental Health Specialty Unit or poison control center for guidance.	
		Greater than 44.9 ug/dL	Critical. Immediate medical evaluation, including detailed neurological exam is recommended. Consider chelation therapy when symptoms of lead toxicity are present. Contact a Pediatric Environmental Health Specialty Unit or poison control center for assistance.	
	Lead, <u>Whole</u> Blood (Venous)			



Concentratio	on Comment		
5-19.9 ug/dL	L Medical removal is recommended for pregnant women or those who are trying or may become pregnant. Adverse health effects are possible. Reduced lead exposure and increased blood lead monitoring are recommended.		
20-69.9 ug/o			
Greater than ug/dL	n 69.9 Critical. Immediate medical evaluation is recommended. Consider chelation therapy when symptoms of lead toxicity are present.		
Lead, Blood (Venous)			
Age	Reference Interval (ug/dL)		
0-5 years	Less than or equal to 3.4		
6 years or al	bove Less than or equal to 4.9		
Arsenic <u>, Whole</u> Blood Less than	Less than or equal to 12 .0 μ g/L		
Mercury <u>, Whole</u> Blood Less than	Less than or equal to 10.0 $\mu\text{g/L}$		