ARUP Laboratories
500 Chipeta Way – Salt Lake City, UT 84108
(800)522-2787 - www.aruplab.com
Julio C. Delgado, M.D. M.S., Director of Laboratories

*****Example Report*****

Patient Age/Gender: 29 years Female
Printed: 03-Dec-19 13:43:35

Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/ Verified
Chromium, Serum	**>1250.0 H**	ug/L	[<=5.0]	19-337-900086	03-Dec-19 12:10:00	03-Dec-19 13:39:00	03-Dec-19 13:41:53

03-Dec-19 12:10:00 Chromium, Serum:
INTERPRETATION INFORMATION: Chromium, Serum

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 serum chromium, confirmation with a second specimen collected in a certified metal-free tube is recommended.

Whole blood is the preferred specimen type for evaluating chromium metal ion release from metal-on-metal joint arthroplasty. Whole blood chromium levels may be increased in asymptomatic patients with metal-on-metal prosthetics and should be considered in the context of the overall clinical scenario. The form of chromium greatly influences distribution. Trivalent chromium resides in the plasma and is usually not of clinical importance. Hexavalent chromium is considered highly toxic; however, chromium serum levels should not be used to assess toxic exposures to hexavalent chromium as it is predominately taken up and retained by red blood cells. Symptoms associated with chromium toxicity vary based on route of exposure and dose, and may include dermatitis, impairment of pulmonary function, gastroenteritis, hepatic necrosis, bleeding, and acute tubular necrosis.

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