



| <u>Procedure</u> | <u>Result</u> | <u>Units</u> | <u>Ref Interval</u> | <u>Accession</u> | <u>Collected</u> | <u>Received</u> | <u>Reported/</u> <u>Verified</u> |
|-------------------------|---------------|--------------|---------------------|------------------|-----------------------|-----------------------|-------------------------------------|
| Cobalt, Serum or Plasma | 1.0 | ug/L | [<=1.0] | 19-074-900078 | 15-Mar-19 08:36:00 | 15-Mar-19 08:36:00 | 15-Mar-19 08:50:39 |

15-Mar-19 08:36:00 Cobalt, Serum or Plasma:
 INTERPRETIVE INFORMATION: Cobalt, Serum or Plasma

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/plasma cobalt, confirmation with a second specimen collected in a certified metal-free tube is recommended.

Serum cobalt levels can be used in the assessment of occupational exposure or toxic ingestion. Symptoms associated with cobalt toxicity vary based on route of exposure, and may include cardiomyopathy, allergic dermatitis, pulmonary fibrosis, cough and dyspnea.

Whole blood is the preferred specimen type for evaluating metal ion release from metal-on-metal joint arthroplasty. Serum cobalt levels may be increased in asymptomatic patients with metal-on-metal prosthetics and should be considered in the context of the overall clinical scenario.

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

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab