

COBALT, RANDOM, URINE
#60354

USEFUL FOR: Detecting cobalt exposure. Monitoring metallic prosthetic implant wear.

METHODOLOGY: Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

REFERENCE VALUES: 0.0-1.9 mcg/L

Reference values apply to all ages.

SPECIMEN REQUIREMENTS:

Container/Tube: Plastic, 13-mL urine tube or a clean, plastic aliquot container with no metal cap or glued insert.

Specimen Volume: 2 mL from a random urine collection.

Collection Instructions:

1. Collect in a clean, plastic urine collection container.
2. See "Metals Analysis-Collection and Transport" in Special Instructions for complete instructions.
3. Send specimen refrigerated.

NOTE: High concentrations of gadolinium and iodine are known to interfere with most metals tests. If either gadolinium- or iodine-containing contrast media has been administered, a specimen should not be collected for 96 hours.

CAUTIONS: This test is **not** useful to assess vitamin B12. Specimen collection procedures for cobalt require special specimen collection tubes, rigorous attention to ultra-clean specimen collection and handling procedures, and analysis in an ultraclean facility. Unless all of these precautions are taken, elevated urine cobalt results may be an incidental and misleading finding.

LIST FEE: \$135.80

CPT CODE: 83789

ANALYTIC TIME: 1 Day

DAY(S) SET-UP: Tuesday

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Jim Nielsen, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710