MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: September 21, 2012
EFFECTIVE DATE: October 24, 2012

HEAVY METALS SCREEN WITH DEMOGRAPHICS, BLOOD
Test ID: HMSBR

NOTE: This new test will replace HMSB, Heavy Metal Screen with Demographics, Blood, which will become obsolete due to file definition changes. There will be no changes in reference values, methodology, or specimen requirements.

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

REFERENCE VALUES:
ARSENIC
0-12 ng/mL
Reference values apply to all ages.

LEAD
0-6 years: 0-4 mcg/dL
> or =7 years: 0-9 mcg/dL
Critical values
Pediatrics (< or =15 years): > or =20 mcg/dL
Adults (> or =16 years): > or =70 mcg/dL

CADMIUM
0.0-4.9 ng/mL
Reference values apply to all ages.

MERCURY
0-9 ng/mL
Reference values apply to all ages

SPECIMEN REQUIREMENTS:
Container/Tube: Royal-blue top Monoject trace element blood collection tube, product #8881-307022 (Supply T183) containing EDTA as an anticoagulant
Specimen Volume: Full tube
Collection Instructions:
1. See Metals Analysis-Collection and Transport in Special Instructions for complete instructions.
2. Send specimen in original collection tube.
Additional Information: 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.
Forms: Lead/Heavy Metals Reporting Form (Supply T491) in Special Instructions

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Whole blood	Refrigerated (preferred)	21 days
	Ambient	21 days
	Frozen	21 days

CAUTIONS: 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.

FEE: Please contact your Regional Manager for your account's fee information.

CPT CODE:

82175-Arsenic

83655-Lead

82300-Cadmium

83825-Mercury

DAY(S) SET UP: Monday through Friday; 8 a.m.- 2 p.m.; Saturday; 8 a.m.-3 p.m. Continuously

Analytic Time: 1 day

NOTE: The following test code(s) will become obsolete.

Test Name	Test ID
Heavy Metals Screen with Demographics, Blood	HMSB

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