



**SAN MATEO COUNTY PUBLIC HEALTH LABORATORY
TEST INFORMATION**

Section: Chemistry

Test Name: Lead (Capillary Screening)

Test Includes: Blood Lead by LeadCare	
<i>Reporting</i>	
Results Available: 7 days	Contact Number: (650) 573-2500
<i>Reference</i>	
Method: LeadCare II Instrument	
Turnaround Time: 7 days	Reference Range: <10.0 µg/dL
Limitations: Specimens must be collected exactly as directed to prevent elevated results from environmental contamination.	
Note: Any capillary screening BLL ≥10 µg/dL must be confirmed with a venous sample.	
Interpretation:	
<u>Blood Lead 10-14 µg/dL:</u>	
<ul style="list-style-type: none"> • Test every 3-4 months until two consecutive tests are <10.0 µg/dL or three consecutive tests are <15 µg/dL. • Notify Childhood Lead Program within 7-10 days. 	
<u>Blood Lead 15 – 19 µg/dL</u>	
<ul style="list-style-type: none"> • Confirm capillary results with a venous sample after a minimum 30 days from initial screen. • Retest every 3-4 months. 	
<u>Blood Lead 20-44 µg/dL</u>	
<ul style="list-style-type: none"> • The repeat venous sample should be done within 5 days. If confirmed to be >20 µg/dL, conduct a complete medical evaluation: • If >40 µg/dL retest every 3 months or sooner if level remains high or increases. • A blood lead ≥40µg/dL should prompt a serum creatinine to assess renal function. 	
<u>Blood Lead 45 – 69 µg/dL</u>	
<ul style="list-style-type: none"> • Confirmatory test within 24-48 hours. • Begin medical treatment and environmental assessment and remediation within 48 hours. • Pharmacologic treatment is indicated and should be conducted under the guidance of a physician experienced in the treatment of lead poisoning. • Considered a medical emergency. Medical treatment and environmental assessment/remediation must begin immediately. • Retest depends on level of confirmatory test and provider and case manager discretion. 	
<u>Blood Lead >70 µg/dL</u>	
<ul style="list-style-type: none"> • Immediate medical emergency, hospitalize and chelate • Confirm test stat 	
Diagnostic Information: Small amounts of blood lead can be damaging to the development of a child.	



**SAN MATEO COUNTY PUBLIC HEALTH LABORATORY
TEST INFORMATION**

<i>Specimen Requirements</i>	
Specimen Collection: To prevent contamination of the capillary specimen, the collection procedure must be followed scrupulously. For training on procedure, contact the San Mateo County Childhood Prevent Program at (650) 573-2335.	
Sample Type: Capillary sample collected using LeadCare capillary and treatment reagent; fill capillary tube according to manufacturer stated fill volume. Venous samples are collected in tubes with heparin or EDTA as anti-coagulants. EDTA tubes must be at <i>least</i> one quarter full. Otherwise you could obtain falsely lower blood lead results.	
Volume/Amount Required: See above	Preferred Specimen: Either capillary or venous
Collection/Preservation: See Sample Type above	Storage Instructions: Blood in LeadCare treatment reagent vials can be stored for 48 hours at room temperature or up to 7 days at refrigerator temperature.
Causes for Rejection: Clotted blood, refrigerated blood, QNS, specimen decomposition, specimen > 7 storage days.	Sample Container: LeadCare Treatment Reagent vial or heparin/EDTA vacutainer.
Sample Test Kit: LeadCare II Blood Lead Test Kit	Availability: No restrictions
<i>Specimen Submission</i>	
Request Form: Standard Lab Test	Specimen Handling: Universal precautions.
Transport Temperature: Room temperature	
Shipping Requirements: Deliver specimens same day as collected; otherwise refrigerate. Avoid temperature extremes. If mailed, package specimens according to the guidelines for submission of laboratory specimens through US Postal System.	
<i>Billing</i>	
CPT Code(s): 83655	Fees: \$22
Effective Date: July 1, 2008	