**OxLDL**

**CPT Code:** 83520  
**Order Code:** C335  
**ABN Requirement:** No  
**Synonyms:** Oxidized Low-density Lipoprotein; Oxidized LDL  
**Specimen:** EDTA Plasma (preferred) or Serum  
**Volume:** 0.5 mL  
**Minimum Volume:** 0.2 mL  
**Container:**

- **Plasma:** EDTA (Lavender Top tube)  
- **Serum:** Gel-barrier tube (Tiger Top)

**Collection:**

**Plasma:**

1. Draw and gently invert 8 to 10 times.  
2. Centrifuge for 10 minutes.  
3. Pre-squeeze transfer pipet bulb and draw off approximately 2/3 of the upper plasma layer. **Note:** This ensures that the buffy coat and red cells remain undisturbed.  
4. Aliquot plasma into labeled transport tube labeled as “EDTA plasma” and cap tightly. Discard original tube.  
5. Store transport tube refrigerated at 2-8°C until ready to ship.

**Serum:**

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

**Transport:** Store plasma or serum at 2°C to 8°C after collection and ship the same day per packaging instructions included with the provided shipping box.

**Stability:**

- **Ambient (15-25°C):** not acceptable
- **Refrigerated (2-8°C):** 7 days
- **Frozen (-20°C):** 28 days
- **Deep Frozen (-70 to -80°C):** 6 months

**Causes for Rejection:** Specimens other than EDTA plasma or serum; improper labeling; samples not stored properly; samples older than stability limits

**Methodology:** Enzyme-Linked Immunoassay (ELISA)

**Turn Around Time:** 5 days

**Relative Risk:**

<table>
<thead>
<tr>
<th>Age</th>
<th>Low Risk U/L</th>
<th>Moderate Risk U/L</th>
<th>High Risk U/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>&lt;60</td>
<td>60-69</td>
<td>≥70</td>
</tr>
</tbody>
</table>

**Clinical Significance:** The oxidized LDL test may be ordered for individuals at low or intermediate risk of metabolic syndrome or cardiovascular disease. In addition, this test is useful in individuals who have cardiovascular disease and are at risk for an adverse cardiac event.

**Limitations:** No known limitations.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*