OXIDIZED LOW DENSITY LIPOPROTEIN, HUMAN (Low-TBAR)

Catalog No: J64223 (BT-910L)

Quantity: 3mg (milligrams) Protein/vial

Concentration: 2mg/ml (Protein)

Packaging: Our oxidized LDL is membrane filtered and aseptically packaged in a solution containing phosphate-buffered saline at pH 7.4 and 0.3 mM EDTA.

Preparation: Human LDL (Cat. No. J65039, (BT-903)) (which was purified to homogeneity via ultracentrifugation (1.019-1.063g/cc)) is oxidized using 20µM CuSO₄ (oxidant) in PBS at 37°C for 2 hours. Oxidation is terminated by adding excess EDTA. Each lot is analyzed on agarose gel electrophoresis for migration versus LDL. This lot of OxLDL migrates (not discernibly) further than the native LDL.

TBARS: TBARS is determined colorimetrically by using Malondialdehyde as a standard.

<table>
<thead>
<tr>
<th>Starting LDL</th>
<th>nmoles of MDA/mg Protein</th>
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<tbody>
<tr>
<td>Ox-LDL</td>
<td>nmoles of MDA/mg Protein</td>
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Storage & Stability: This product is stable for 6 weeks when handled aseptically and stored at 4°C. NEVER FREEZE.

Biological Activity: Sample lots of our oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our DiI-Ox-LDL (Cat. No. J64164, (BT-920)).

Endotoxins: Each lot is analyzed using LAL (Cape Cod Associates) and had no detectable endotoxin level.

*Preparations of Oxidized LDL are fairly unstable; plan your experiments in advance and use fresh material.*
References: