

Biomedical Technologies Inc.

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DATA SHEET

OXIDIZED LOW DENSITY LIPOPROTEIN, HUMAN

Catalog No: BT-910

Lot No: 910B11

Quantity: 2mg (milligrams) Protein/vial

Concentration: 2.0mg/ml (Protein)

Packaging: BTI Oxidized LDL is membrane filtered and aseptically packaged in a solution containing phosphate-buffered saline at pH 7.4 and 0.2 mM EDTA.

Preparation: BTI Human LDL (Cat. No. **BT-903**) (which was purified to homogeneity via ultracentrifugation (1.019-1.063g/cc)) is oxidized using 20 μ M CuSO₄ (oxidant) in PBS at 37°C for 24 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 2.1 fold further than the native LDL.

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

Starting LDL	0.07 nmoles of MDA/mg Protein
Ox-LDL	37.6moles of MDA/mg Protein

Storage & Stability:

This product is stable for 6 weeks when handled aseptically and stored at 4°C.
NEVER FREEZE.

Biological Activity:

Sample lots of BTI Oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our DiI_{Ox}-LDL (Cat. No. **BT-920**) and [I-125] Ox-LDL (Cat. No. **BT-911R**).

Endotoxins:

This lot was analyzed using LAL (Associates of Cape Cod) and had no detectable endotoxin level (<0.5 EU/mg).

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

FOR RESEARCH USE ONLY (REV.11-09)

References:

1. C.A. Martin et al. *Protein Science* (2007) 16:2531-2541.
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4. G. Ding et al. *Kidney International* 51: 147-154 (1997).
5. P. Chui et al. *J. of Clinical Investigation* 115:2244-2256 (2005).
6. R. Zaguri et al. *Clin. Exp. Immunol.* 149:543-552 (2007).
7. C.A. Gleissner et al. *Arterioscler Thromb Vasc Biol.* 28(6):1137-1143 (2008).