



## DATA SHEET

### OXIDIZED LOW DENSITY LIPOPROTEIN, HUMAN

**Catalog No:** YB-002

**Lot No:** 2023-09-04

**Quantity:** 2.0mg (milligrams) Protein/vial

**Concentration:** 2.40mg/ml (Corrected by Cholesterol in Lipoprotein)

**Packaging:** Oxidized LDL is membrane filtered and aseptically packaged under nitrogen in a solution containing phosphate-buffered saline at pH 7.4 and 0.1mM EDTA-Na<sub>2</sub> (PBS+EDTA-Na<sub>2</sub> Cat. No. **YB-101** is used as vehicle control).

**Preparation:** Yiyuan Biotechnologies Human LDL (Cat. No. **YB-001**), which was purified to homogeneity via ultracentrifugation(1.019-1.063g/cc), is oxidized using CuSO<sub>4</sub> (oxidant) in PBS at 37°C for 18 hours. Oxidation is terminated by adding excess EDTA-Na<sub>2</sub>. Each lot is analyzed on agarose gel electrophoresis for migration versus LDL. This lot of OxLDL migrates 2.0fold further than the native LDL. This type Oxidized LDL is widely used to investigate lipid metabolism, only less induce cell apoptosis. Apoptosis inducement please choose High Oxidized LDL (Cat. No.**YB-002-1**) from our company.

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

Starting LDL <0.50 nmoles of MDA/mg Protein

Ox-LDL >18.5 nmoles of MDA/mg Protein

**Endotoxin:** < 0.5EU/mg(Protein)

**Storage & Stability:**

This product is stable for **6 weeks** after receipt when handled aseptically and stored at **2-8°C**. **NEVER FREEZE**.

**\*Special Note:** After prolonged storage, some precipitate may be observed. This is normal for lipoprotein. Spin in a centrifugation 1000 × g for 3 minutes before using.

**Biological Activity:**

Sample lots of YB Oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our Dil-Ox-LDL and [I-125] Ox-LDL **\*Preparations of Oxidized LDL are fairly unstable; plan your experiments in advance and use fresh material.**

**FOR RESEARCH USE ONLY**

<http://www.yiyuanbiotech.com/>