

## Oxidized Low Density Lipoprotein

**Cat Number:**AH7950

**Product Name:**Oxidized Low Density Lipoprotein

**Purity:**98%, is determined agarose gel electrophoresis.

**Specifications:**

2.0mg(milligrams)Protein/vial.

0.22 micron membrane filtered, aseptically filled.Cell Culture Tested.

**Concentration:**

>2mg/ml protein.

Buffer containing phosphate-buffered saline at pH 7.4 and 0.2 mM EDTA-Na2.

**TBARS:**

TBARS is determined colorimetrically by using Malondialdehyde as a standard.

starting LDL < 0.50 nmol of MDA/mg Protein.

Ox-LDL >10 nmol of MDA/mg Protein.

**Storage:**

This product is stable for 6 weeks after receipt when handled aseptically and stored at 2-8°C (Do not freeze).

After prolonged storage, some precipitate may be observed. This is normal for this product. Clarify out the aggregates by spinning in centrifuge tube for 2 minutes.

**Biological Activity:**

Sample lots of Solarbio Oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our Dil-Ox-LDL and [<sup>125</sup>I]Ox-LDL.

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**Preparation:**

Human LDL(which was purified to homogeneity via ultra-centrifugation(1.019-1.063g/cc)) is oxidized using 5uM Cu<sub>2</sub>SO<sub>4</sub>(oxidant) in PBS at 37°C for 20 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 Ox-LDL migrates 2.0 fold further than the native LDL. This type Oxidized LDL is widely used to investigate lipid metabolism, but not induce cell apoptosis. Apoptosis induction please choose High Oxidized LDL.

**Note:**

- Do not freeze.
- Preparations of Oxidized LDL are fairly unstable, prepare your experiments in advance and use fresh material.
- For research use only.
- Product information is for reference only.
- This product is for scientific research use only. Not used for medical, clinical and other purposes.
- For your safety and health, please wear lab coats and wear disposable gloves and masks.

