

High-Oxidized Low Density Lipoprotein, Human

Cat No: H7980

Size: 2.0mg(milligrams)Protein/vial

Concentration: >2mg/ml protein (Based on actual label concentration) .

Purity: 98%, is determined agarose gel electrophoresis.

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

Storage:

This product is stable for only 3 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 Oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our DiI-Ox-LDL and [I-125] Ox-LDL

Preparation:

Human LDL (which was purified to homogeneity via ultra centrifugation(1.019-1.063g/cc)) is extensively oxidized with Cu_2SO_4 (oxidant) in PBS at 37°C. Oxidation is terminated by adding excess EDTA- Na_2 . Each lot is analyzed on agarose gel electrophoresis for migration versus LDL. This lot of Ox-LDL migrates 3.0fold further than the native LDL. This product can produce potent oxidative stress and can be used to induce cell apoptosis/death (>50%) and produce cell injure model.

TBARS:

TBARS is determined colorimetrically by using Malondialdehyde as a standard.

Starting LDL 0.10 ± 0.9 nmoles of MDA/mg Protein

High Ox-LDL 90.0 ± 9.9 nmoles of MDA/mg Protein