

HIGH OXIDIZED LOW DENSITY LIPOPROTEIN, HUMAN

Catalog No: SA008

Quantity: 2.0mg(miligrams) Protein/vial

Concentration: 2.0mg/ml

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

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 OxLDL 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 0.12 nmoles of MDA/mg Protein

High Ox-LDL 91.6 nmoles of MDA/mg Protein

Storage: his product is stable for only 4 weeks after receipt when handled aseptically and stored at 2-8°C. ***NEVER FREEZE AND PROTECT FROM LIGHT.***

Special Note: After prolonged storage, some precipitate may be observed. This is normal for this product. Clarify out the aggregates by spinning in a microfuge for 2 minutes.

Biological: Sample lots of Oxidized LDL are evaluated for receptor binding to

Activity: peritoneal macrophages in conjunction with our Dil-Ox-LDL and [I-125] Ox-LDL

****Preparations of High Oxidized LDL are fairly unstable; Plan your experiments in advance and use fresh materials.***

FOR RESEARCH USE ONLY