DATA SHEET

OXIDIZED LOW DENSITY LIPOPROTEIN, HUMAN (Hi-TBAR)

Catalog No: J65261 (BT-910X)

Quantity: 2mg (milligrams) Protein/vial

Concentration: 1mg/ml (Protein)

Packaging: BT Oxidized LDL is membrane filtered and aseptically packaged in a solution containing phosphate-buffered saline at pH 7.4 and 0.3 mM EDTA.

Preparation: BT Human LDL (Cat. No. J65039, (BT-903)) (which was purified to homogeneity via ultra-centrifugation (1.019-1.063g/cc)) is oxidized using 20μM 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 2.7 fold further than the native LDL.

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

<table>
<thead>
<tr>
<th>Starting LDL</th>
<th>nmoles of MDA/mg Protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ox-LDL</td>
<td>nmoles of MDA/mg Protein</td>
</tr>
</tbody>
</table>

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

Biological Activity: Sample lots of BT Oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our Dil-Ox-LDL (Cat. No. J64164, (BT-920)).

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

FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS OR FOR IN-VITRO DIAGNOSTIC USE

www.alfa.com
References: