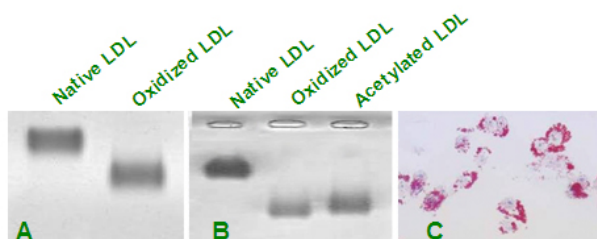


ACETYLATED LDL

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| Name: | Acetylated LDL |
| Cat. #: | 10456 |
| Size: | 2.0 mg |
| Description: | Human Acetylated Low Density Lipoprotein |
| Purity: | 98% (Co-migrates with reference on agarose gel electrophoresis) |
| Concentration: | Minimum 1.2 mg/ml protein |
| Background: | LDL is a large protein (MW 3,500 kDa) with a diameter of 25.8 nm. It is composed of approximately 20-25% protein and 75-80% lipid. The lipid portion can be further described as 9% free cholesterol, 42% cholesteryl ester, 20-24% phospholipid, and 5% triglyceride. |
| Source: | Human LDL (Cat. No. 10453), which was purified to homogeneity via ultra-centrifugation (1.019-1.063g/cc), is acetylated with acetic anhydride and dialyzed. It is ultrafiltered through a membrane and packaged aseptically under nitrogen. Each lot is analyzed on agarose gel electrophoresis for migration versus LDL. The acetylated LDL migrates 1.8 folds further than the native LDL. |
| Tested Applications: | The acetylated LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with the Dil-Ac-LDL. |
| Storage & Stability: | Acetylated LDL is stable for 6 weeks after receipt when handled aseptically and stored at 2-8°C (Don't Freeze). Note: After prolonged storage, some precipitate may be observed. This is normal for the product. Spin in centrifugation at 1000×g for 3 minutes before using. Acetylated LDL is membrane filtered and aseptically packaged under nitrogen in a solution containing phosphate-buffered saline at pH 7.4 and 0.2 mM EDTA-Na2. The product requires 1-2 weeks lead time. Please plan your experiments in advance and use the fresh material. |
| Packaging: | |



Native-LDL(n-LDL), Oxidized-LDL (ox-LDL) and Acetylated-LDL(Ac-LDL) were loaded on agarose gel and electrophoresed for 60 mins. The lipoproteins were stained with Sudan Black (A and B). Oil red O staining was used to determine the formation of foam cell. RAW264.7 were incubated with 80 µg/mL ox-LDL for 24 hrs.