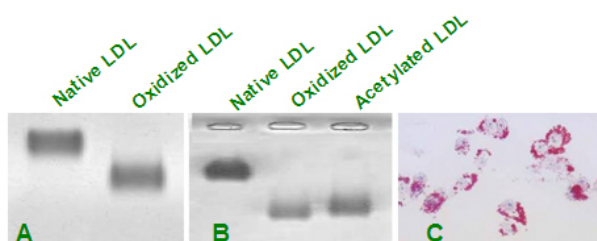


## ACETYLATED LDL

<b>Name:</b>	Acetylated LDL
<b>Cat. #:</b>	10456
<b>Size:</b>	2.0 mg
<b>Description:</b>	Human Acetylated Low Density Lipoprotein
<b>Purity:</b>	98% (Co-migrates with reference on agarose gel electrophoresis)
<b>Concentration:</b>	Minimum 1.2 mg/ml protein
<b>Background:</b>	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.
<b>Source:</b>	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.
<b>Tested Applications:</b>	The acetylated LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with the Dil-Ac-LDL.
<b>Storage &amp; Stability:</b>	Acetylated LDL is stable for 6 weeks after receipt when handled aseptically and stored at 2-8°C ( <b>Don't Freeze</b> ). 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-Na <sub>2</sub> . The product requires 1-2 weeks lead time. Please plan your experiments in advance and use the fresh material.
<b>Packaging:</b>	



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.