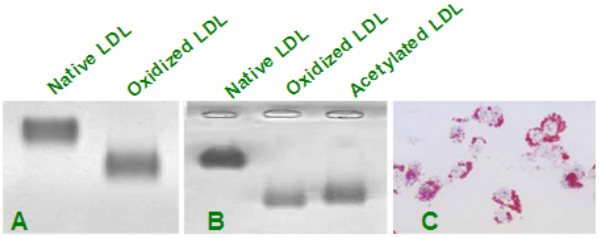
ACETYLATED LDL

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 DiI-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.
Packaging:	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.



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.