

Materials List for:

# Click-Chemistry Based Fluorometric Assay for Apolipoprotein N-acyltransferase from Enzyme Characterization to High-Throughput Screening

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## Materials

Name	Company	Catalog Number	Comments
Äkta Purifier FPLC system	GE Healthcare	NA	Purity: NA Lnt purification
alkyne-POPE	Avanti Polar Lipids	900414P	Purity:>99% Lnt substrate
Azido-FAM	Lumiprobe	A4130	Purity: 100% (pure) Click reagent
BioPhotometer Plus	Eppendorf	N/A	Purity: NA OD 600 nm
BioTek ELX 405 Select plate washer	BioTek	N° serie 115800, n° materiel 405 Select	Purity: NA Wash steps
biotin-fluorescein	Sigma	53608	Purity: ≥90% Fluorescence control
Copper(II) sulfate pentahydrate	Sigma	C3036	Purity: ≥98% Click reagent
DDM	Anatrace	D310A	Purity: ≥ 99% β+α; < 15% α Detergent for Lnt purification
Dimethylsulfoxide (DMSO)	Invitrogen	D12435	Purity: anhydrous Solubilization Click reagent
Electronic pipet Voyager 8 channels 0.5-12.5 uL	INTEGRA	4721	Purity: NA Handling reagents
French Pressure Cell	N/A	N/A	Purity: NA Cell disruption
FSL-1-biotin	EMC microcollections	L7030	Purity: NA Lnt substrate
Greiner Bio-One 384-well standard CELLSTAR polystyrene microplate	Greiner	781091	Purity: NA Black with transparent bottom (up or bottom reading)
Greiner Bio-One 96-well sterile polystyrene plate, high binding	Greiner	655097	Purity: NA Black with transparent bottom (up or bottom reading)
Microplate reader Infinite M1000 pro	Tecan	N/A	Purity: NA Fluorescence detection
MTSES (sodium (2-sulfonatoethyl) methanethiosulfonate)	Anatrace	S110MT	Purity: ~100% Thiol specific inhibitor
Optically Clear Adhesive Seal Sheets	Thermo Scientific	AB-1170	Purity: NA Foil to seal multi-well plate
Sephacryl S400 HR 16/60 gel filtration column	GE Healthcare	GE28-9356-04	Purity: NA Lnt purification
StrepTactin Sepharose 50 %	IBA Biotechnology	2-1201-010	Purity: NA Lnt purification
streptavidin	Sigma	S4762-1MG	Purity: ≥13 units/mg protein

			Biotin binding
TBTA (tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine)	Sigma	678937	Purity: 97% Click reagent
TCEP (tris(2-carboxyethyl)phosphine hydrochloride)	Sigma	75259	Purity: ≥98% Click reagent
TECAN Infinite F500	Tecan	N/A	Purity: NA Fluorescence detection
TECAN Infinite M1000 pro	Tecan	N/A	Purity: NA Fluorescence detection
Thermomixer C	Eppendorf	5382000015	Purity: NA Heated lid
Triton X-100	Sigma	93443	Purity: 10% in H <sub>2</sub> O Lnt reaction buffer
Ultra centrifuge	Beckman LC	N/A	Purity: NA Cell fractionation